

Structural Change Verification Tests in Protein-Protein Interaction Network Generation promoted by the RIS (Reduced Interaction Sampling) Algorithm in Genppi

A Statistical Metrics and Distribution Comparison-Based Approach

Machine Learning Modes

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2025**

Implementation 91

Similarity, Correlation and Distribution Tests

Mode: Machine Learning
Metric: Degree

Top Nodes: 10
Number of Files: 10

Implementation Number 91

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 91

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

Implementation Number 91

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
050.00 %	BAKON_478	00, 01, 02, 03, 07
020.00 %	BAKON_571	00, 08
030.00 %	BAKON_126	00, 03, 06
020.00 %	BAKON_276	00, 09
070.00 %	BAKON_130	00, 02, 04, 05, 06, 07, 09
010.00 %	BAKON_125	00
060.00 %	BAKON_084	00, 02, 03, 04, 08, 09
010.00 %	BAKON_273	00
030.00 %	BAKON_133	00, 08, 09
020.00 %	BAKON_470	00, 02
040.00 %	BAKON_212	01, 04, 08, 09
010.00 %	BAKON_373	01
020.00 %	BAKON_374	01, 06
030.00 %	BAKON_211	01, 03, 04
060.00 %	BAKON_209	01, 02, 03, 04, 05, 08
010.00 %	BAKON_083	01
010.00 %	BAKON_398	01
050.00 %	BAKON_437	01, 02, 04, 08, 09
010.00 %	BAKON_377	01
040.00 %	BAKON_160	02, 03, 05, 07
020.00 %	BAKON_082	02, 04
030.00 %	BAKON_085	02, 04, 07
010.00 %	BAKON_153	02
030.00 %	BAKON_572	03, 06, 07
010.00 %	BAKON_196	03

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Global node Presence Mean (Weighted): 33.20%

Implementation Number 91

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.0526	0.1000	0.0000	nan
ML09.csv	ML01.csv	0.2500	0.4000	1.0000	1.0000
ML09.csv	ML02.csv	0.1765	0.3000	0.0000	0.3333
ML09.csv	ML03.csv	0.1111	0.2000	0.0123	nan
ML09.csv	ML04.csv	0.0526	0.1000	0.0002	nan
ML09.csv	ML05.csv	0.1111	0.2000	0.0000	1.0000
ML09.csv	ML06.csv	0.1111	0.2000	0.1678	-1.0000
ML09.csv	ML07.csv	0.1765	0.3000	0.9945	-1.0000
ML09.csv	ML08.csv	0.2500	0.4000	0.0000	-0.5774
ML00.csv	ML01.csv	0.1765	0.3000	0.0000	1.0000
ML00.csv	ML02.csv	0.1765	0.3000	0.0021	1.0000
ML00.csv	ML03.csv	0.2500	0.4000	0.0000	0.9129
ML00.csv	ML04.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML05.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML06.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML07.csv	0.1765	0.3000	0.0000	-0.8165
ML00.csv	ML08.csv	0.1111	0.2000	0.4175	1.0000
ML01.csv	ML02.csv	0.2500	0.4000	0.0000	0.4000
ML01.csv	ML03.csv	0.4286	0.6000	0.0021	-0.7071
ML01.csv	ML04.csv	0.1765	0.3000	0.0002	nan
ML01.csv	ML05.csv	0.0526	0.1000	0.0000	nan
ML01.csv	ML06.csv	0.2500	0.4000	0.4175	-0.4000
ML01.csv	ML07.csv	0.1765	0.3000	1.0000	nan
ML01.csv	ML08.csv	0.1765	0.3000	0.0000	nan
ML02.csv	ML03.csv	0.1765	0.3000	0.0000	0.5000
ML02.csv	ML04.csv	0.1765	0.3000	0.0000	0.5000
ML02.csv	ML05.csv	0.1111	0.2000	0.0000	nan
ML02.csv	ML06.csv	0.1765	0.3000	0.0000	-0.3333
ML02.csv	ML07.csv	0.1765	0.3000	0.0000	nan
ML02.csv	ML08.csv	0.0526	0.1000	0.0002	nan
ML03.csv	ML04.csv	0.1765	0.3000	0.0524	-0.8165
ML03.csv	ML05.csv	0.0526	0.1000	0.0000	nan
ML03.csv	ML06.csv	0.1111	0.2000	0.4175	-1.0000
ML03.csv	ML07.csv	0.2500	0.4000	0.0002	-0.7746
ML03.csv	ML08.csv	0.2500	0.4000	0.0000	0.8000

Implementation Number 91

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.1765	0.3000	0.0000	0.8165
ML04.csv	ML06.csv	0.1765	0.3000	0.0002	1.0000
ML04.csv	ML07.csv	0.1765	0.3000	0.0000	-1.0000
ML04.csv	ML08.csv	0.1111	0.2000	0.0000	nan
ML05.csv	ML06.csv	0.1765	0.3000	0.0000	1.0000
ML05.csv	ML07.csv	0.0000	0.0000	0.0000	nan
ML05.csv	ML08.csv	0.1111	0.2000	0.0000	nan
ML06.csv	ML07.csv	0.0526	0.1000	0.1678	nan
ML06.csv	ML08.csv	0.1111	0.2000	0.0000	nan
ML07.csv	ML08.csv	0.2500	0.4000	0.0000	-0.7746

Global Metrics:

Mean Jaccard Coefficient (J): 0.1534

Fleiss' Kappa Agreement Index (κ_F): 0.0516

Mean KS Distance Between Pairs (D): 0.8444

Mean p-value for KS Test Pairs: 0.1034

Mean KS Distance for Multiple Samples (D_{mult}): 0.5930

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0188

Mean Kendall Tau ($\bar{\tau}$): 0.0793

Median Kendall Tau ($\tilde{\tau}$): 0.3667

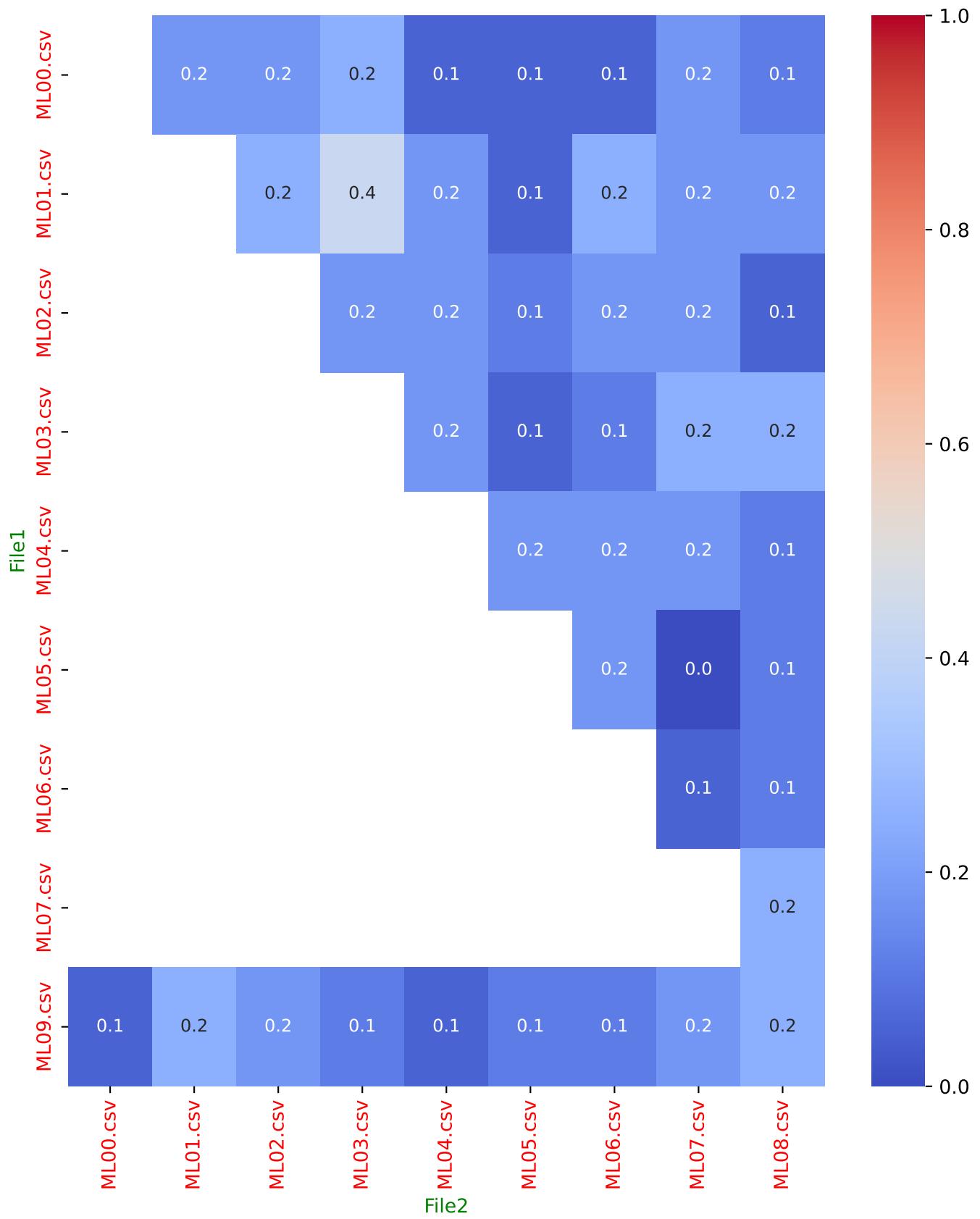
Percentage of Pairs with $\tau > 0$: 31.11%

Implementation Number 91

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

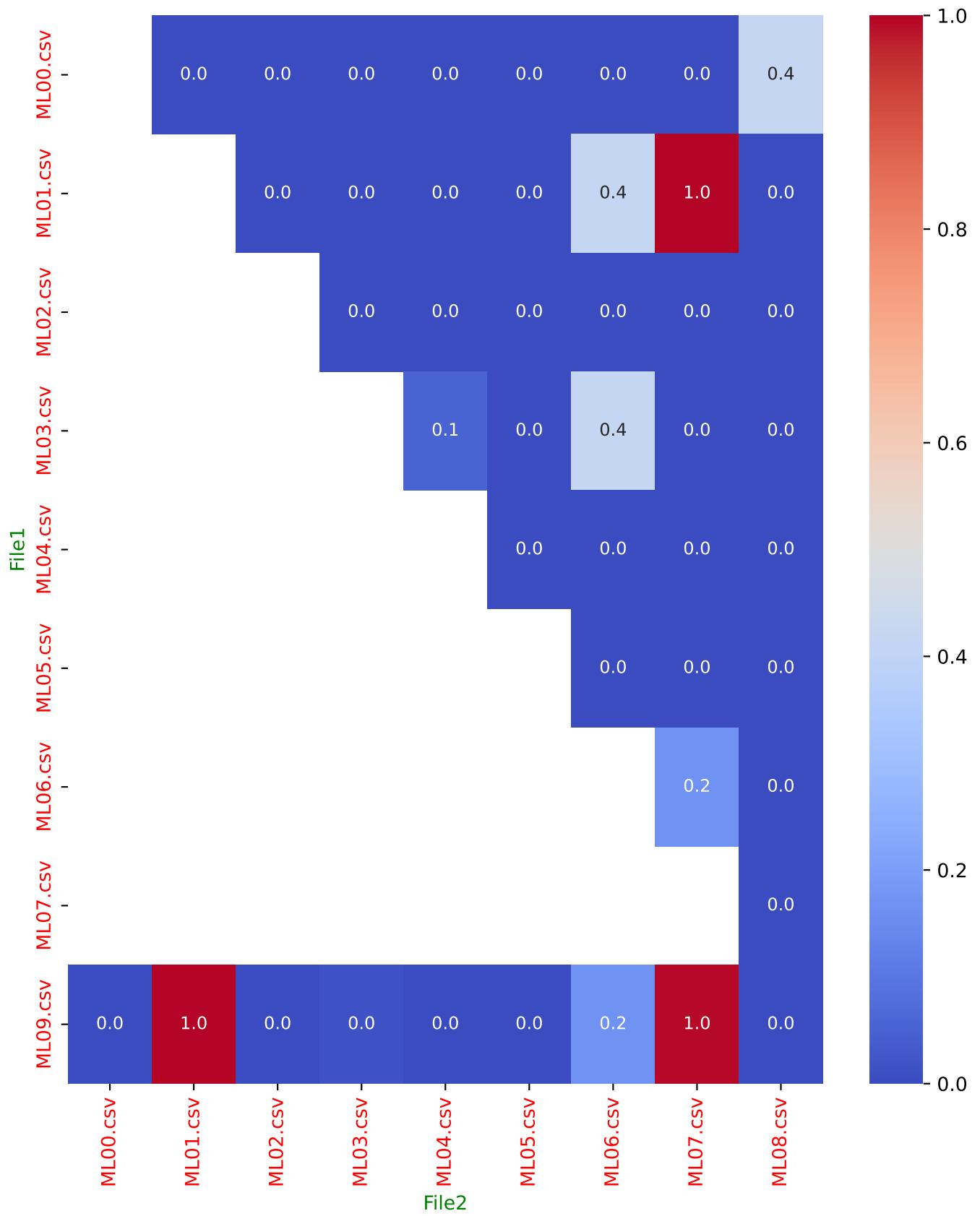


Implementation Number 91

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

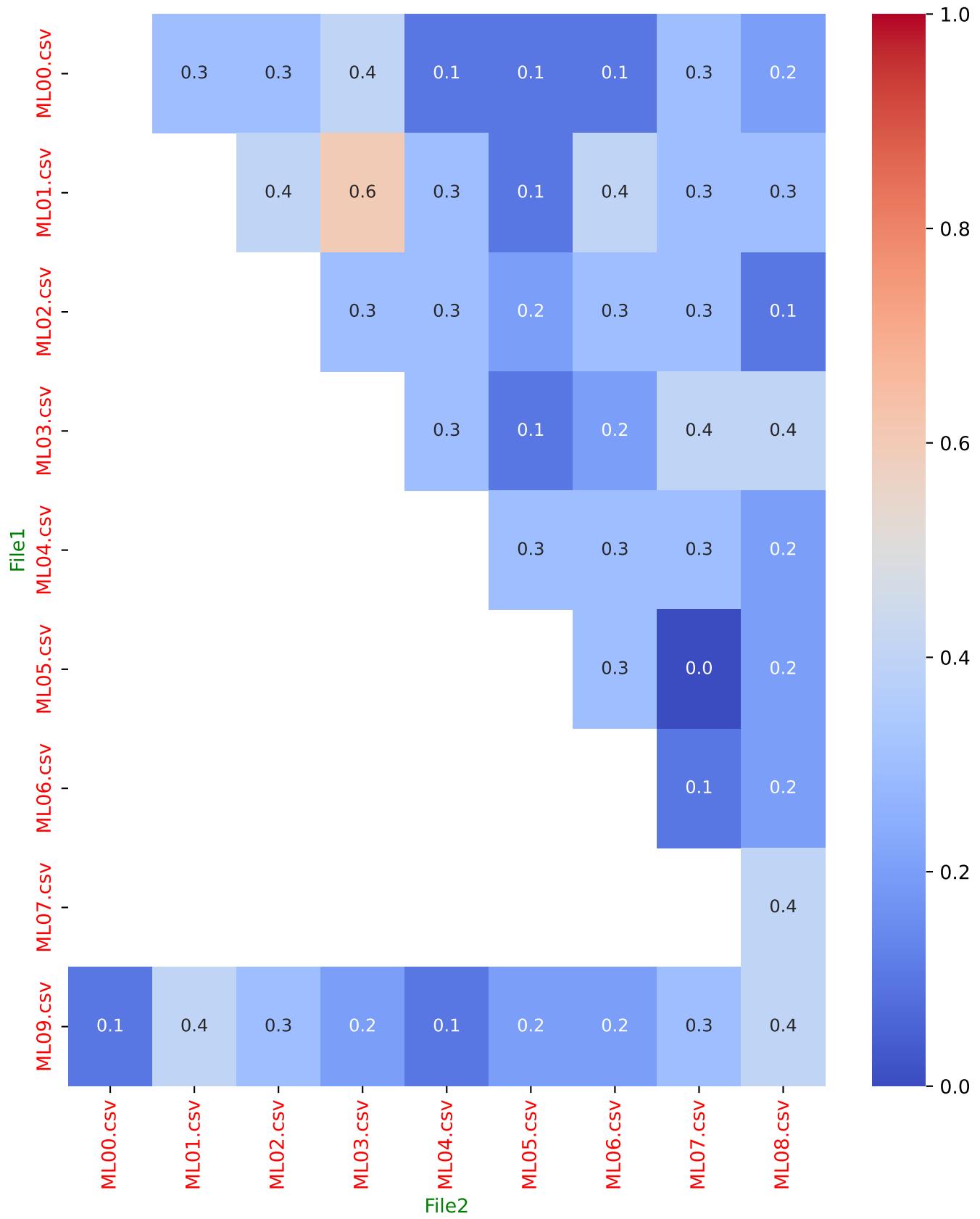


Implementation Number 91

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

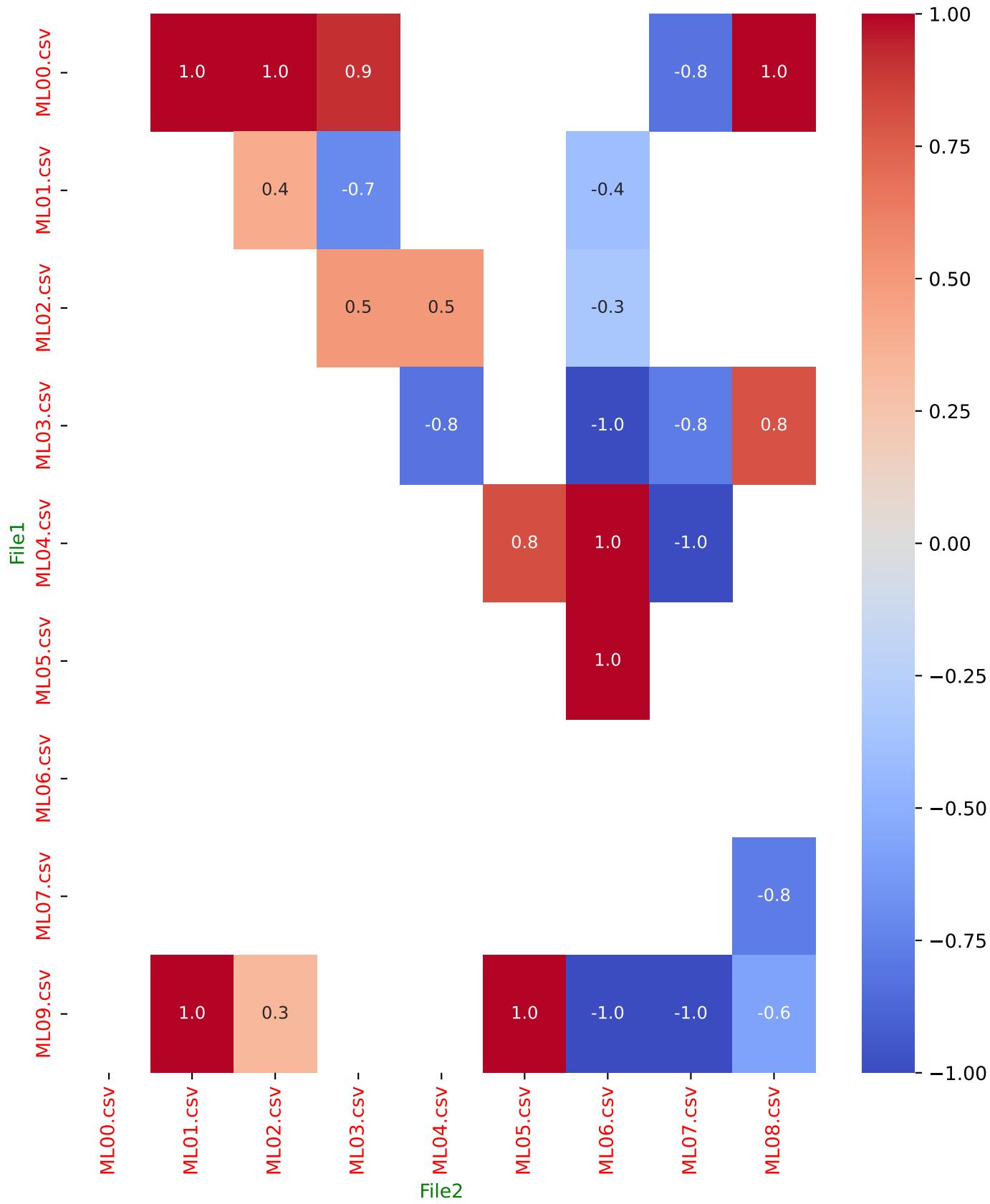


Implementation Number 91

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 92

Similarity, Correlation and Distribution Tests

Mode: Machine Learning
Metric: Degree

Top Nodes: 20
Number of Files: 10

Implementation Number 92

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 92

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

Implementation Number 92

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
050.00 %	BAKON_478	00, 01, 02, 03, 07
050.00 %	BAKON_571	00, 01, 07, 08, 09
050.00 %	BAKON_126	00, 02, 03, 06, 09
020.00 %	BAKON_276	00, 09
080.00 %	BAKON_130	00, 02, 03, 04, 05, 06, 07, 09
010.00 %	BAKON_125	00
090.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09
020.00 %	BAKON_273	00, 08
040.00 %	BAKON_133	00, 05, 08, 09
030.00 %	BAKON_470	00, 02, 07
010.00 %	BAKON_059	00
060.00 %	BAKON_085	00, 02, 03, 04, 07, 09
020.00 %	BAKON_190	00, 03
010.00 %	BAKON_199	00
030.00 %	BAKON_035	00, 04, 05
050.00 %	BAKON_087	00, 05, 06, 07, 09
030.00 %	BAKON_140	00, 07, 09
010.00 %	BAKON_032	00
010.00 %	BAKON_191	00
010.00 %	BAKON_037	00
040.00 %	BAKON_212	01, 04, 08, 09
030.00 %	BAKON_373	01, 02, 06
030.00 %	BAKON_374	01, 05, 06
040.00 %	BAKON_211	01, 03, 04, 07

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Global node Presence Mean (Weighted): 39.00%

Implementation Number 92

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	K_S_p	Kendall
ML09.csv	ML00.csv	0.0811	0.1500	0.0000	0.3333
ML09.csv	ML01.csv	0.1765	0.3000	0.9831	0.0962
ML09.csv	ML02.csv	0.1765	0.3000	0.0000	0.4811
ML09.csv	ML03.csv	0.1111	0.2000	0.0011	0.7746
ML09.csv	ML04.csv	0.1429	0.2500	0.0000	-1.0000
ML09.csv	ML05.csv	0.1111	0.2000	0.0000	-0.1826
ML09.csv	ML06.csv	0.2121	0.3500	0.1745	-0.4384
ML09.csv	ML07.csv	0.1111	0.2000	1.0000	-0.2582
ML09.csv	ML08.csv	0.2903	0.4500	0.0000	-0.1853
ML00.csv	ML01.csv	0.2500	0.4000	0.0000	0.1334
ML00.csv	ML02.csv	0.1429	0.2500	0.0000	0.9487
ML00.csv	ML03.csv	0.1765	0.3000	0.0000	0.6405
ML00.csv	ML04.csv	0.1429	0.2500	0.0011	-0.6667
ML00.csv	ML05.csv	0.1429	0.2500	0.0000	0.5303
ML00.csv	ML06.csv	0.2121	0.3500	0.0000	-0.0937
ML00.csv	ML07.csv	0.2903	0.4500	0.0000	0.5013
ML00.csv	ML08.csv	0.1429	0.2500	0.0811	0.8889
ML01.csv	ML02.csv	0.3333	0.5000	0.0000	0.4582
ML01.csv	ML03.csv	0.2903	0.4500	0.0040	0.4364
ML01.csv	ML04.csv	0.2121	0.3500	0.0000	0.5103
ML01.csv	ML05.csv	0.2903	0.4500	0.0000	-0.4256
ML01.csv	ML06.csv	0.2500	0.4000	0.0123	-0.0910
ML01.csv	ML07.csv	0.2121	0.3500	1.0000	0.3125
ML01.csv	ML08.csv	0.1765	0.3000	0.0000	0.0000
ML02.csv	ML03.csv	0.2903	0.4500	0.0000	0.3210
ML02.csv	ML04.csv	0.2500	0.4000	0.0000	0.3464
ML02.csv	ML05.csv	0.3333	0.5000	0.0000	-0.4311
ML02.csv	ML06.csv	0.2500	0.4000	0.0000	-0.2457
ML02.csv	ML07.csv	0.1765	0.3000	0.0000	0.7698
ML02.csv	ML08.csv	0.1765	0.3000	0.0000	0.3536
ML03.csv	ML04.csv	0.2500	0.4000	0.0040	-0.2392
ML03.csv	ML05.csv	0.2500	0.4000	0.0000	0.1806
ML03.csv	ML06.csv	0.1765	0.3000	0.1745	0.0000
ML03.csv	ML07.csv	0.2121	0.3500	0.0011	0.1879
ML03.csv	ML08.csv	0.1429	0.2500	0.0000	0.8250

Implementation Number 92

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.2500	0.4000	0.0000	0.0000
ML04.csv	ML06.csv	0.0811	0.1500	0.0000	1.0000
ML04.csv	ML07.csv	0.2121	0.3500	0.0000	-0.7303
ML04.csv	ML08.csv	0.1429	0.2500	0.0000	-0.4082
ML05.csv	ML06.csv	0.1429	0.2500	0.0000	0.8889
ML05.csv	ML07.csv	0.1765	0.3000	0.0000	-0.2010
ML05.csv	ML08.csv	0.1429	0.2500	0.0000	-0.1179
ML06.csv	ML07.csv	0.0811	0.1500	0.0811	0.5000
ML06.csv	ML08.csv	0.2121	0.3500	0.0000	0.3727
ML07.csv	ML08.csv	0.1765	0.3000	0.0000	0.3345

Global Metrics:

Mean Jaccard Coefficient (J): 0.1956

Fleiss' Kappa Agreement Index (κ_F): 0.0844

Mean KS Distance Between Pairs (D): 0.8067

Mean p-value for KS Test Pairs: 0.0782

Mean KS Distance for Multiple Samples (D_{mult}): 0.5670

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0013

Mean Kendall Tau ($\bar{\tau}$): 0.1647

Median Kendall Tau ($\tilde{\tau}$): 0.1879

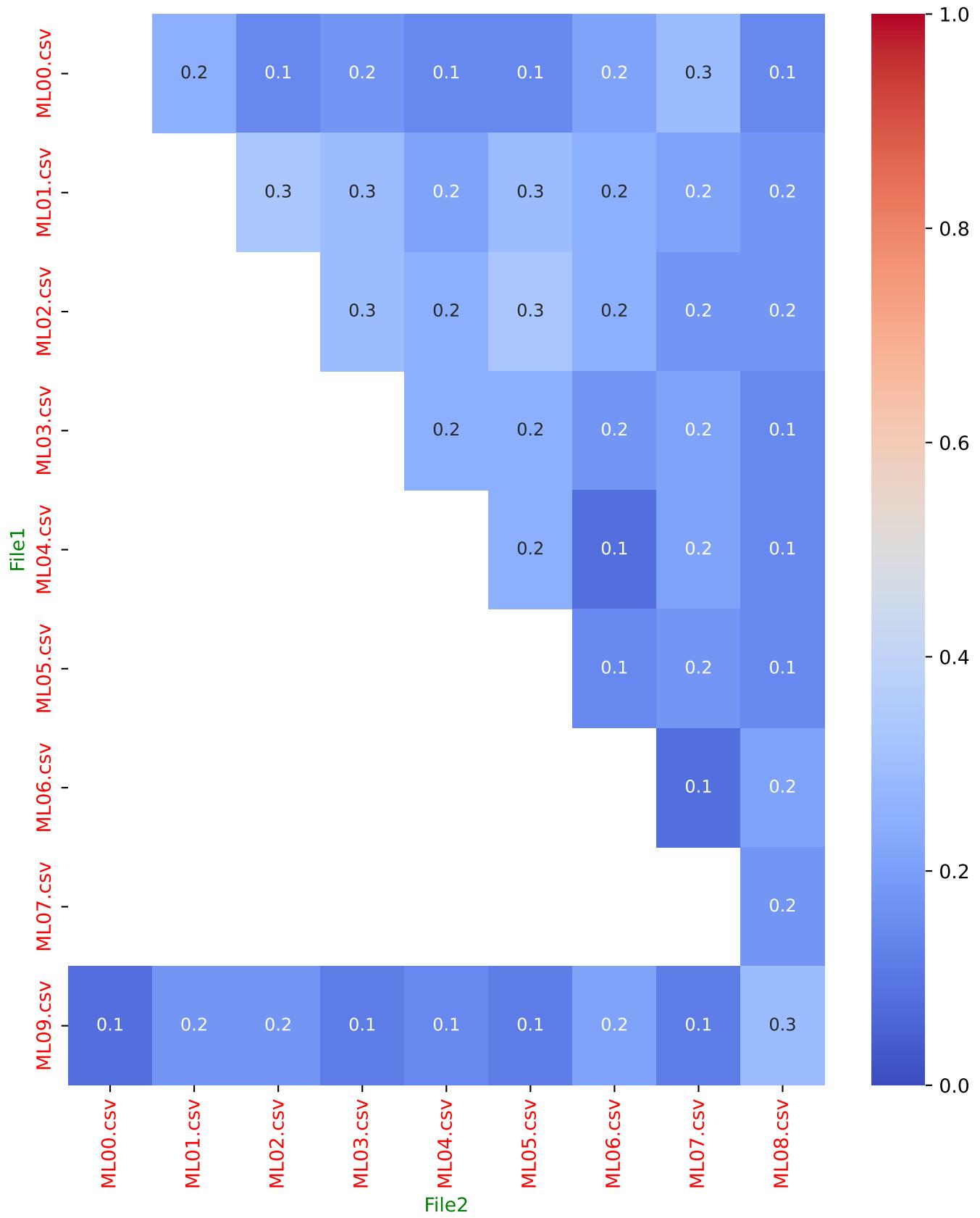
Percentage of Pairs with $\tau > 0$: 57.78%

Implementation Number 92

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

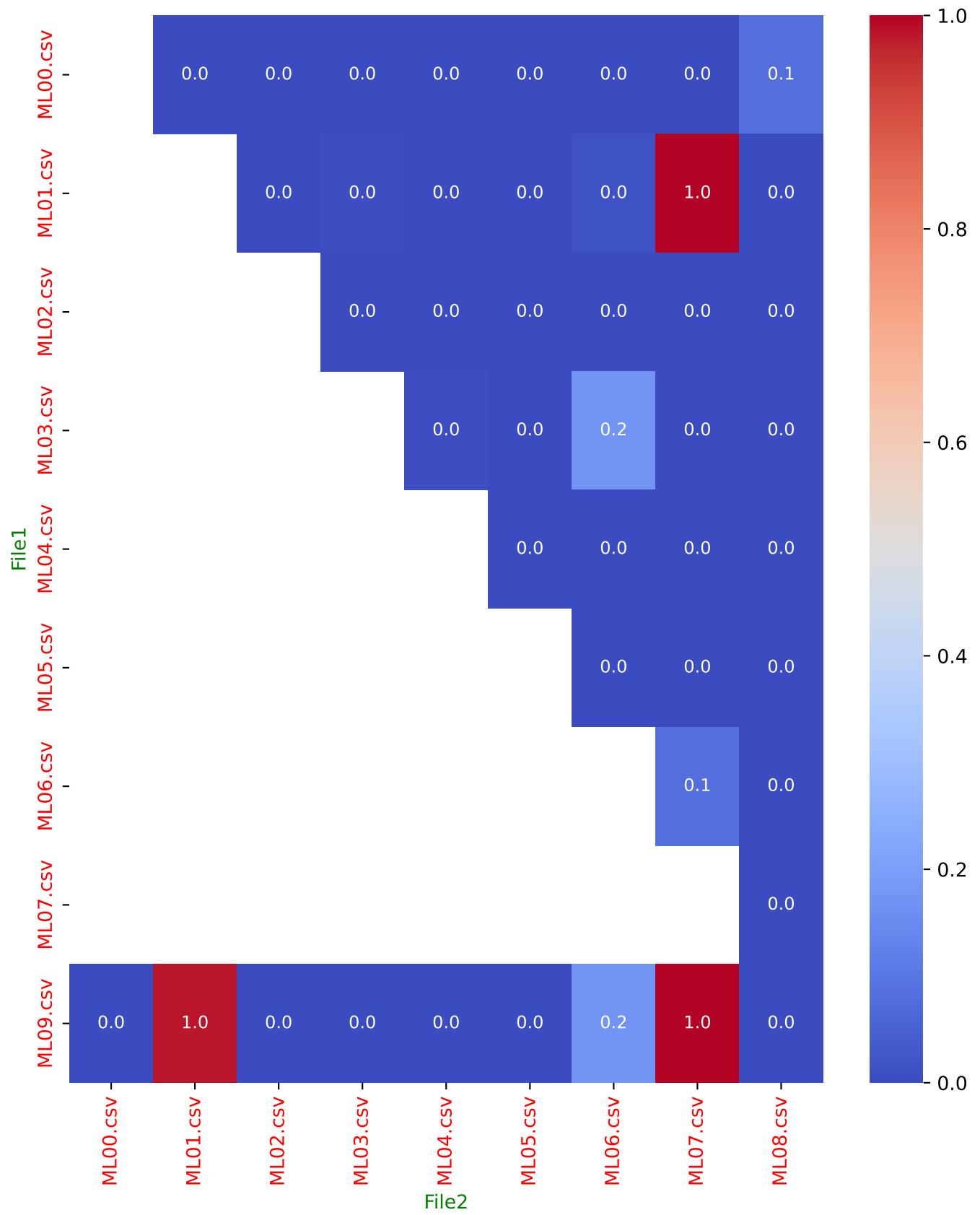


Implementation Number 92

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

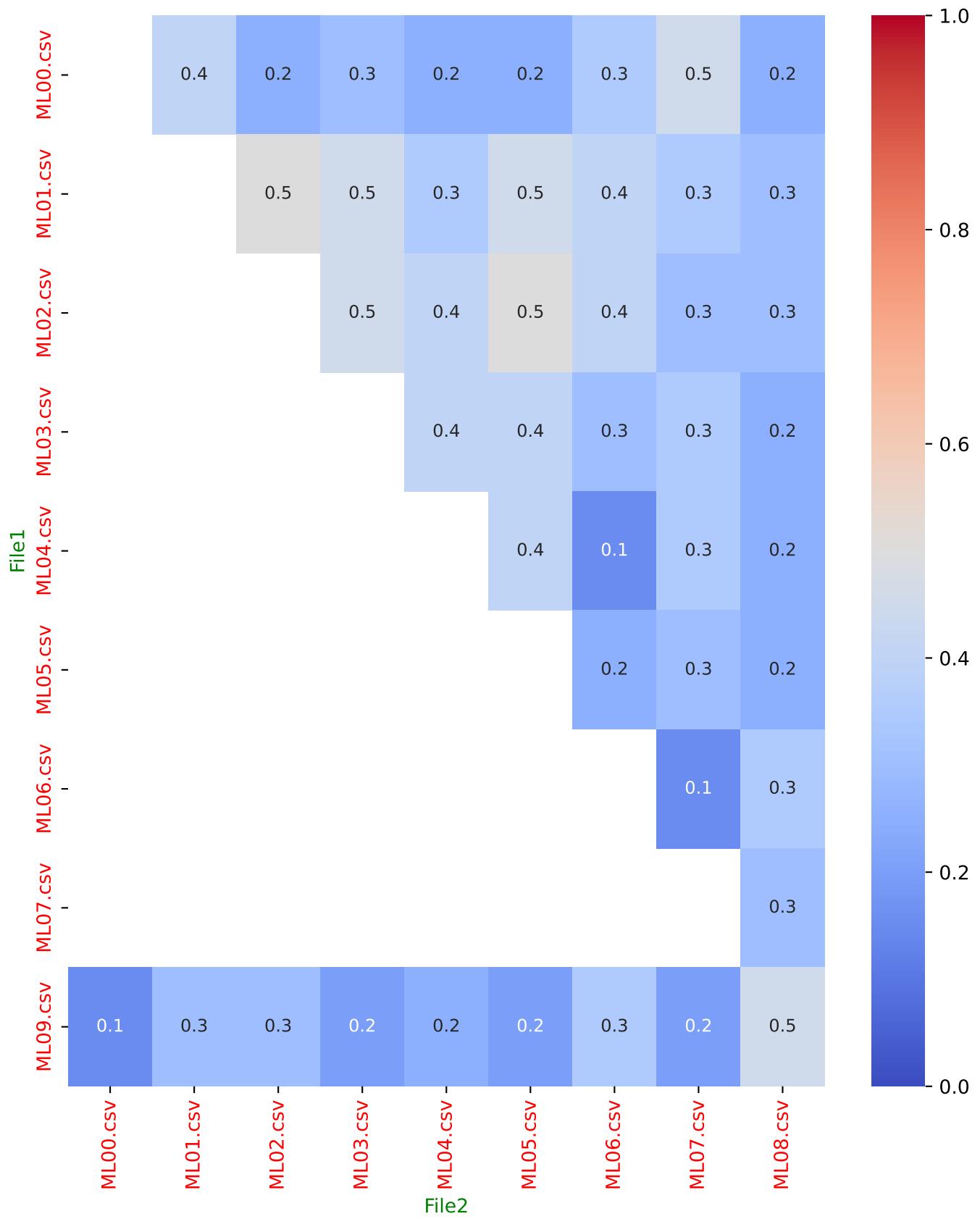


Implementation Number 92

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

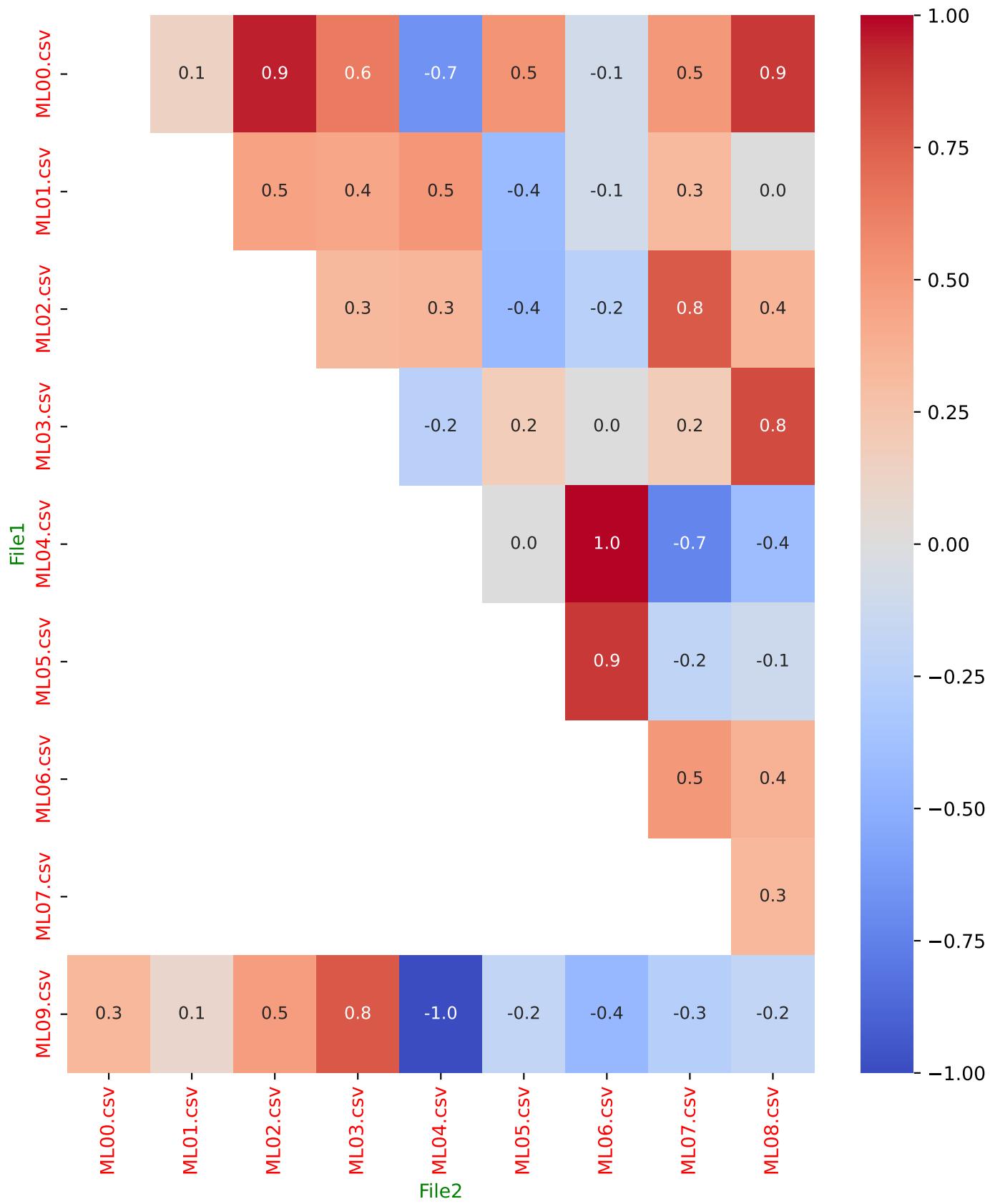


Implementation Number 92

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 93

Similarity, Correlation and Distribution Tests

Mode: Machine Learning
Metric: Degree

Top Nodes: 30
Number of Files: 10

Implementation Number 93

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 93

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

Implementation Number 93

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
060.00 %	BAKON_478	00, 01, 02, 03, 04, 07
050.00 %	BAKON_571	00, 01, 07, 08, 09
070.00 %	BAKON_126	00, 02, 03, 04, 06, 07, 09
060.00 %	BAKON_276	00, 01, 05, 07, 08, 09
090.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 09
020.00 %	BAKON_125	00, 04
090.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09
020.00 %	BAKON_273	00, 08
060.00 %	BAKON_133	00, 01, 02, 05, 08, 09
040.00 %	BAKON_470	00, 01, 02, 07
010.00 %	BAKON_059	00
060.00 %	BAKON_085	00, 02, 03, 04, 07, 09
040.00 %	BAKON_190	00, 01, 03, 06
010.00 %	BAKON_199	00
040.00 %	BAKON_035	00, 03, 04, 05
050.00 %	BAKON_087	00, 05, 06, 07, 09
030.00 %	BAKON_140	00, 07, 09
020.00 %	BAKON_032	00, 05
020.00 %	BAKON_191	00, 06
010.00 %	BAKON_037	00
020.00 %	BAKON_184	00, 06
050.00 %	BAKON_258	00, 02, 03, 05, 06
050.00 %	BAKON_572	00, 01, 03, 06, 07

... continues ... (formatted sample for printing)

Global node Presence Mean (Weighted): 40.40%

Implementation Number 93

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	K_S_p	Kendall
ML09.csv	ML00.csv	0.2245	0.3667	0.0000	0.1221
ML09.csv	ML01.csv	0.2000	0.3333	0.5941	0.2390
ML09.csv	ML02.csv	0.2245	0.3667	0.0000	0.4534
ML09.csv	ML03.csv	0.1538	0.2667	0.0009	-0.3185
ML09.csv	ML04.csv	0.1765	0.3000	0.0000	-0.0818
ML09.csv	ML05.csv	0.2500	0.4000	0.0000	0.1489
ML09.csv	ML06.csv	0.2000	0.3333	0.3929	-0.5067
ML09.csv	ML07.csv	0.1538	0.2667	0.3929	0.4187
ML09.csv	ML08.csv	0.1765	0.3000	0.0000	-0.1853
ML00.csv	ML01.csv	0.3043	0.4667	0.0000	0.3000
ML00.csv	ML02.csv	0.2766	0.4333	0.0000	0.3622
ML00.csv	ML03.csv	0.2000	0.3333	0.0000	0.2308
ML00.csv	ML04.csv	0.2000	0.3333	0.0001	0.2100
ML00.csv	ML05.csv	0.1765	0.3000	0.0000	0.0000
ML00.csv	ML06.csv	0.2500	0.4000	0.0000	-0.2396
ML00.csv	ML07.csv	0.3333	0.5000	0.0000	0.1326
ML00.csv	ML08.csv	0.1765	0.3000	0.0065	0.4457
ML01.csv	ML02.csv	0.3043	0.4667	0.0000	0.5790
ML01.csv	ML03.csv	0.3043	0.4667	0.0000	0.4218
ML01.csv	ML04.csv	0.2500	0.4000	0.0000	0.4709
ML01.csv	ML05.csv	0.2245	0.3667	0.0000	-0.0800
ML01.csv	ML06.csv	0.2245	0.3667	0.0709	0.3144
ML01.csv	ML07.csv	0.2500	0.4000	1.0000	0.3892
ML01.csv	ML08.csv	0.1765	0.3000	0.0000	0.2859
ML02.csv	ML03.csv	0.3043	0.4667	0.0000	0.3106
ML02.csv	ML04.csv	0.1765	0.3000	0.0000	0.0000
ML02.csv	ML05.csv	0.2500	0.4000	0.0000	0.0656
ML02.csv	ML06.csv	0.2500	0.4000	0.0000	0.0205
ML02.csv	ML07.csv	0.1765	0.3000	0.0000	0.7857
ML02.csv	ML08.csv	0.1538	0.2667	0.0000	0.5798
ML03.csv	ML04.csv	0.2000	0.3333	0.0000	0.2576
ML03.csv	ML05.csv	0.2000	0.3333	0.0000	-0.0619
ML03.csv	ML06.csv	0.2000	0.3333	0.2391	0.6000
ML03.csv	ML07.csv	0.1538	0.2667	0.0003	0.3257
ML03.csv	ML08.csv	0.1111	0.2000	0.0000	0.8462

Implementation Number 93

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.1538	0.2667	0.0000	0.0000
ML04.csv	ML06.csv	0.1321	0.2333	0.0000	0.9075
ML04.csv	ML07.csv	0.2000	0.3333	0.0000	0.3947
ML04.csv	ML08.csv	0.1538	0.2667	0.0000	0.3895
ML05.csv	ML06.csv	0.1538	0.2667	0.0000	0.4800
ML05.csv	ML07.csv	0.2000	0.3333	0.0000	0.0314
ML05.csv	ML08.csv	0.1111	0.2000	0.0000	0.1612
ML06.csv	ML07.csv	0.1765	0.3000	0.2391	0.0000
ML06.csv	ML08.csv	0.1765	0.3000	0.0000	0.1661
ML07.csv	ML08.csv	0.2000	0.3333	0.0000	0.2223

Global Metrics:

Mean Jaccard Coefficient (J): 0.2054

Fleiss' Kappa Agreement Index (κ_F): 0.1120

Mean KS Distance Between Pairs (D): 0.7970

Mean p-value for KS Test Pairs: 0.0653

Mean KS Distance for Multiple Samples (D_{mult}): 0.5620

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0002

Mean Kendall Tau ($\bar{\tau}$): 0.2354

Median Kendall Tau ($\tilde{\tau}$): 0.2390

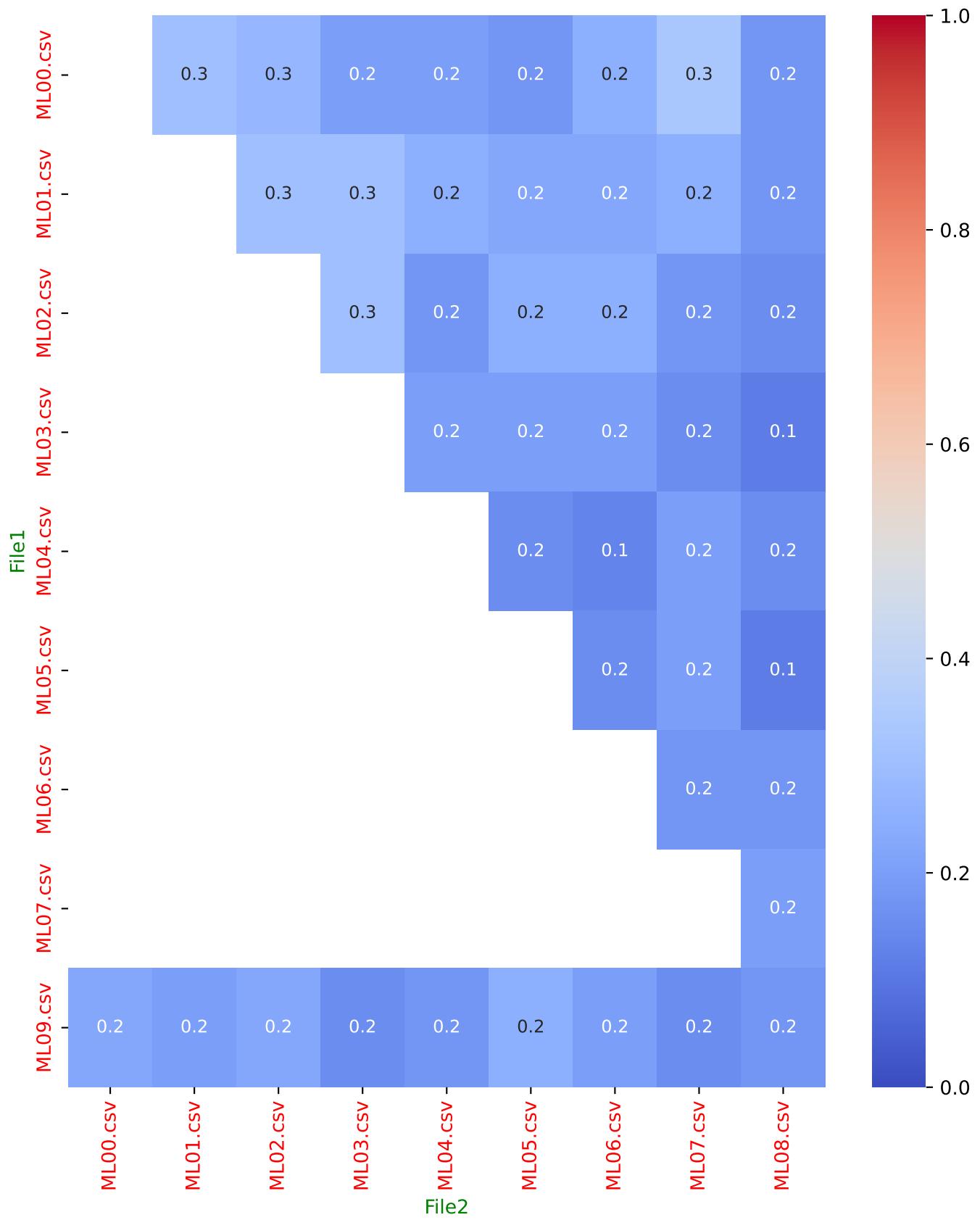
Percentage of Pairs with $\tau > 0$: 75.56%

Implementation Number 93

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

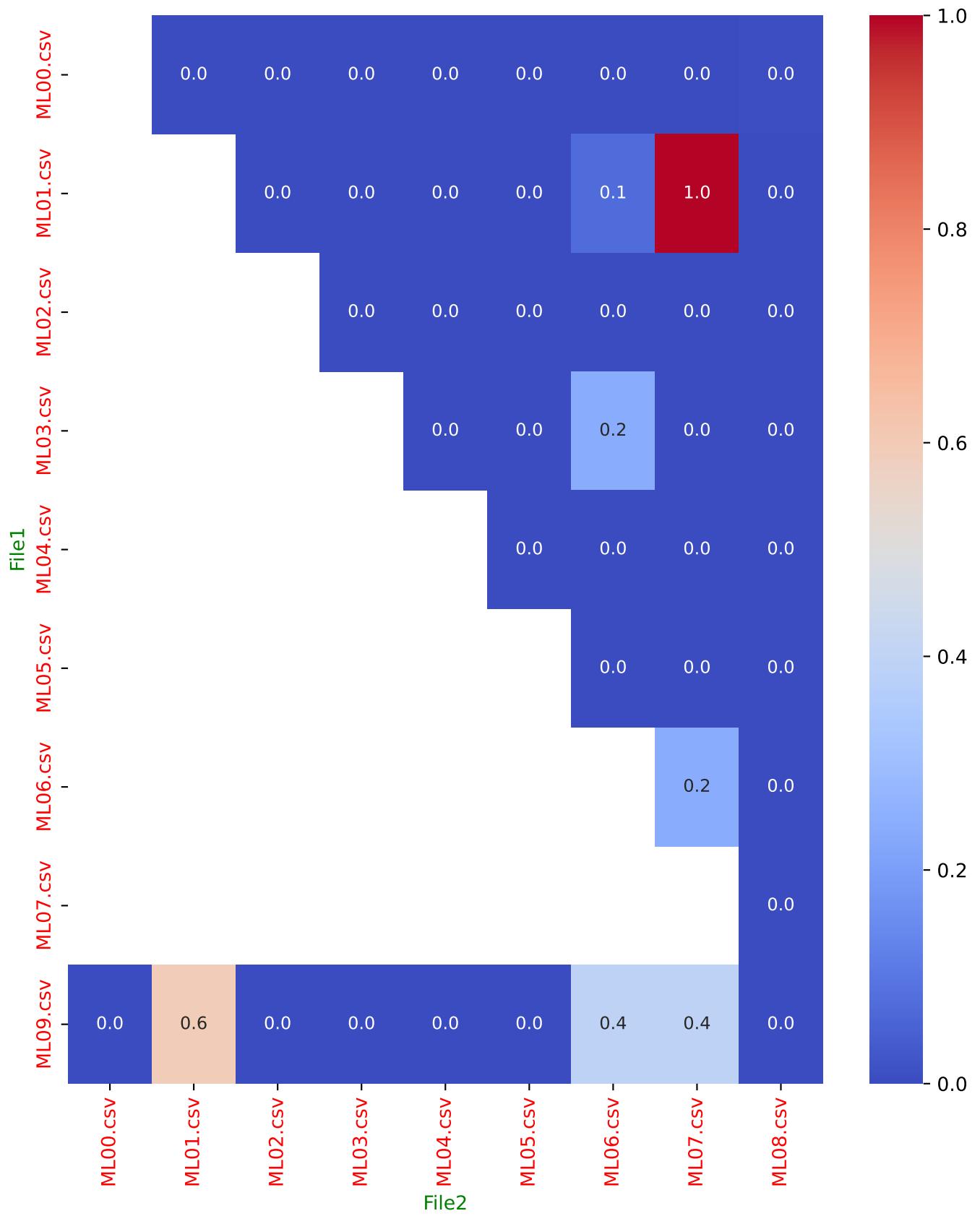


Implementation Number 93

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

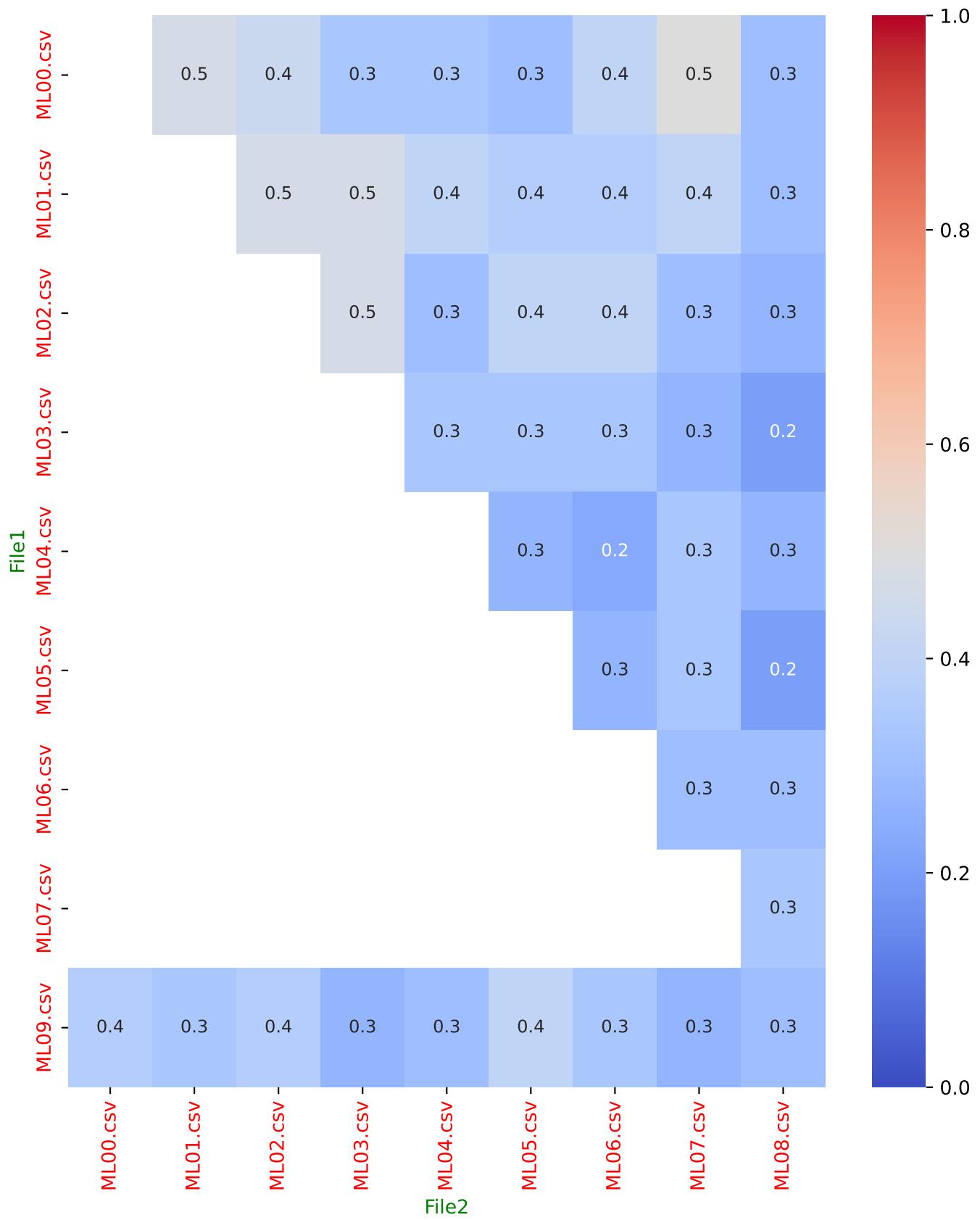


Implementation Number 93

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

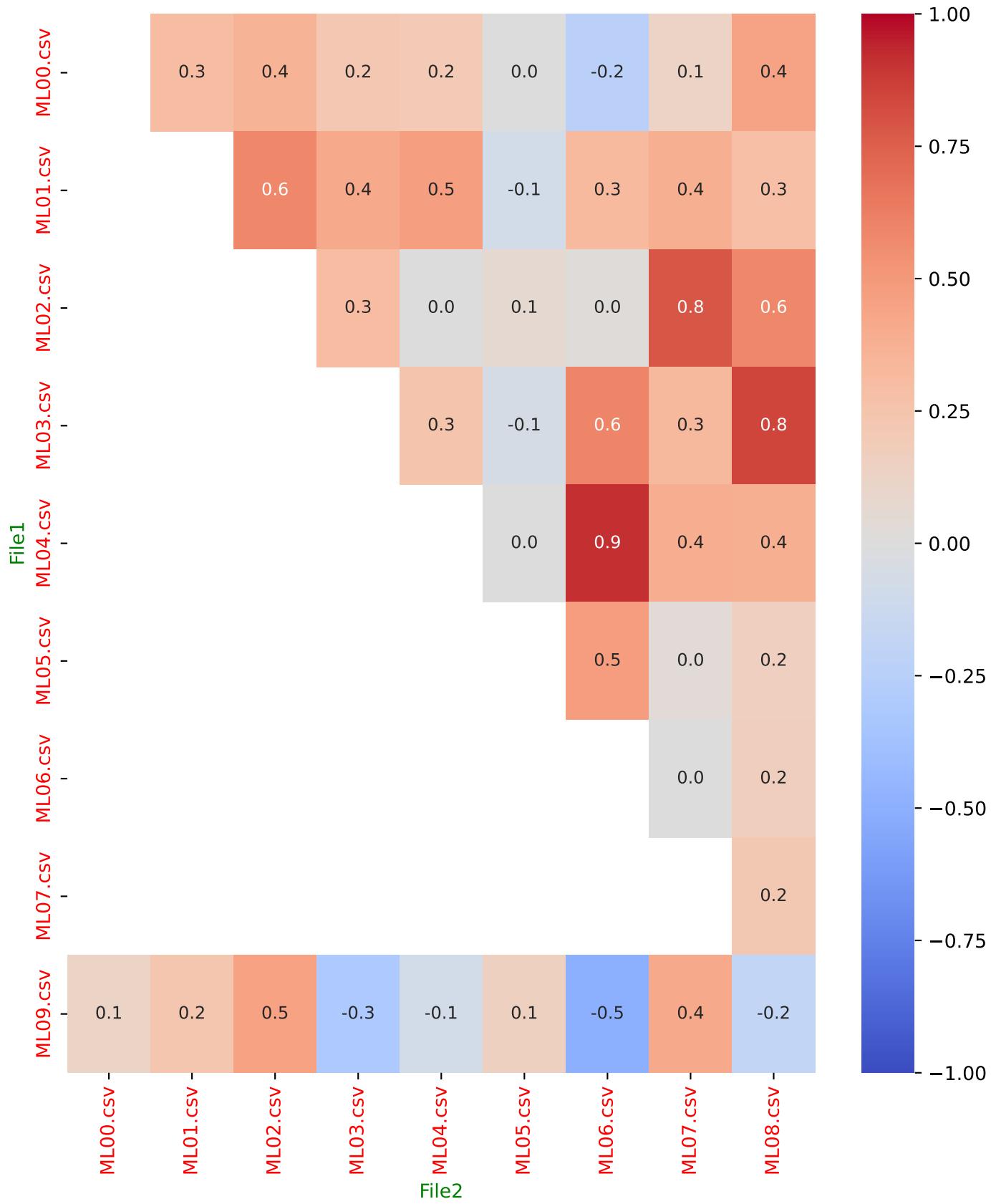


Implementation Number 93

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 94

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 50
Number of Files: 10

Implementation Number 94

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 94

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

Implementation Number 94

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
070.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 07
060.00 %	BAKON_571	00, 01, 06, 07, 08, 09
070.00 %	BAKON_126	00, 02, 03, 04, 06, 07, 09
070.00 %	BAKON_276	00, 01, 02, 05, 07, 08, 09
090.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 09
020.00 %	BAKON_125	00, 04
090.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09
030.00 %	BAKON_273	00, 04, 08
090.00 %	BAKON_133	00, 01, 02, 03, 05, 06, 07, 08, 09
070.00 %	BAKON_470	00, 01, 02, 03, 05, 07, 08
030.00 %	BAKON_059	00, 02, 08
080.00 %	BAKON_085	00, 01, 02, 03, 04, 06, 07, 09
080.00 %	BAKON_190	00, 01, 02, 03, 05, 06, 07, 09
050.00 %	BAKON_199	00, 02, 03, 06, 07
050.00 %	BAKON_035	00, 03, 04, 05, 07
050.00 %	BAKON_087	00, 05, 06, 07, 09
040.00 %	BAKON_140	00, 04, 07, 09
030.00 %	BAKON_032	00, 04, 05
040.00 %	BAKON_191	00, 06, 08, 09
020.00 %	BAKON_037	00, 04
050.00 %	BAKON_184	00, 01, 02, 06, 09
060.00 %	BAKON_258	00, 01, 02, 03, 05, 06

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Global node Presence Mean (Weighted): 52.08%

Implementation Number 94

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.2821	0.4400	0.0000	0.2753
ML09.csv	ML01.csv	0.3514	0.5200	0.8693	0.2005
ML09.csv	ML02.csv	0.3158	0.4800	0.0000	0.2886
ML09.csv	ML03.csv	0.2500	0.4000	0.0002	0.0674
ML09.csv	ML04.csv	0.3333	0.5000	0.0000	0.1852
ML09.csv	ML05.csv	0.2987	0.4600	0.0000	0.0509
ML09.csv	ML06.csv	0.2987	0.4600	0.7166	0.1203
ML09.csv	ML07.csv	0.2500	0.4000	0.3959	0.1789
ML09.csv	ML08.csv	0.2658	0.4200	0.0000	0.4405
ML00.csv	ML01.csv	0.4286	0.6000	0.0000	0.2718
ML00.csv	ML02.csv	0.3158	0.4800	0.0000	0.3575
ML00.csv	ML03.csv	0.1905	0.3200	0.0000	0.3350
ML00.csv	ML04.csv	0.3514	0.5200	0.0028	0.0617
ML00.csv	ML05.csv	0.3333	0.5000	0.0000	-0.0299
ML00.csv	ML06.csv	0.2987	0.4600	0.0000	0.1730
ML00.csv	ML07.csv	0.3514	0.5200	0.0000	0.3226
ML00.csv	ML08.csv	0.3158	0.4800	0.0000	0.2347
ML01.csv	ML02.csv	0.3889	0.5600	0.0000	0.3665
ML01.csv	ML03.csv	0.2500	0.4000	0.0000	0.4454
ML01.csv	ML04.csv	0.4085	0.5800	0.0000	0.2912
ML01.csv	ML05.csv	0.3333	0.5000	0.0000	-0.0172
ML01.csv	ML06.csv	0.3699	0.5400	0.0678	0.3603
ML01.csv	ML07.csv	0.3158	0.4800	0.9667	0.4235
ML01.csv	ML08.csv	0.3158	0.4800	0.0000	0.2938
ML02.csv	ML03.csv	0.3699	0.5400	0.0000	0.2931
ML02.csv	ML04.csv	0.3158	0.4800	0.0000	0.0336
ML02.csv	ML05.csv	0.3158	0.4800	0.0000	0.3151
ML02.csv	ML06.csv	0.3514	0.5200	0.0000	0.4112
ML02.csv	ML07.csv	0.3158	0.4800	0.0000	0.3678
ML02.csv	ML08.csv	0.2987	0.4600	0.0000	0.1666
ML03.csv	ML04.csv	0.2658	0.4200	0.0000	0.2971
ML03.csv	ML05.csv	0.2500	0.4000	0.0000	0.1737
ML03.csv	ML06.csv	0.3514	0.5200	0.0392	0.3119
ML03.csv	ML07.csv	0.2987	0.4600	0.0000	0.4344
ML03.csv	ML08.csv	0.2500	0.4000	0.0000	0.3193

Implementation Number 94

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.2500	0.4000	0.0000	0.1264
ML04.csv	ML06.csv	0.3514	0.5200	0.0000	-0.0571
ML04.csv	ML07.csv	0.2987	0.4600	0.0000	0.3795
ML04.csv	ML08.csv	0.1905	0.3200	0.0000	0.4943
ML05.csv	ML06.csv	0.3333	0.5000	0.0000	0.2950
ML05.csv	ML07.csv	0.2658	0.4200	0.0000	0.1965
ML05.csv	ML08.csv	0.2821	0.4400	0.0000	0.0362
ML06.csv	ML07.csv	0.2658	0.4200	0.0392	0.0373
ML06.csv	ML08.csv	0.3158	0.4800	0.0000	-0.0095
ML07.csv	ML08.csv	0.2658	0.4200	0.0000	0.4570

Global Metrics:

Mean Jaccard Coefficient (J): 0.3070

Fleiss' Kappa Agreement Index (κ_F): 0.1873

Mean KS Distance Between Pairs (D): 0.7818

Mean p-value for KS Test Pairs: 0.0688

Mean KS Distance for Multiple Samples (D_{mult}): 0.5420

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000

Mean Kendall Tau ($\bar{\tau}$): 0.2395

Median Kendall Tau ($\tilde{\tau}$): 0.2886

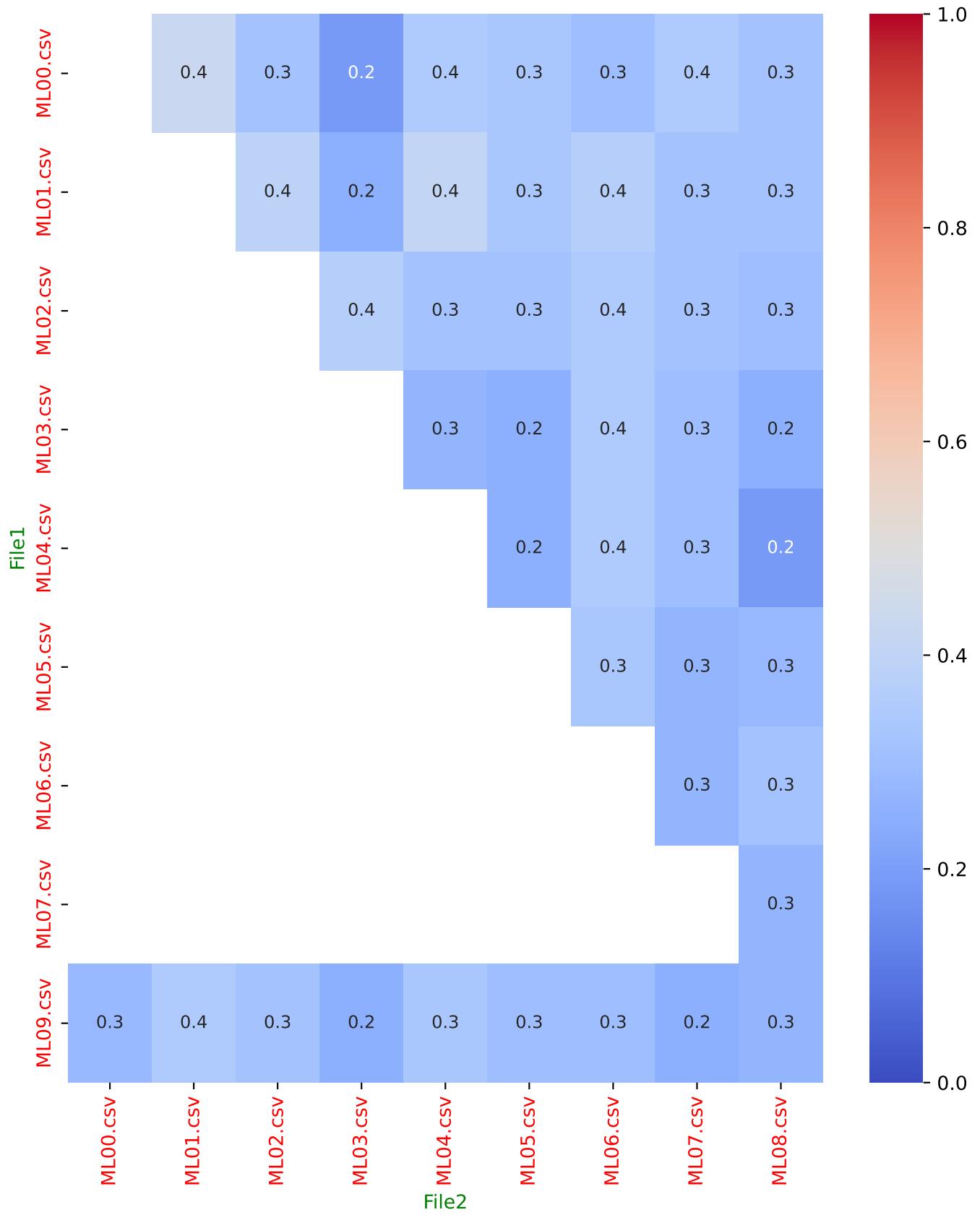
Percentage of Pairs with $\tau > 0$: 91.11%

Implementation Number 94

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

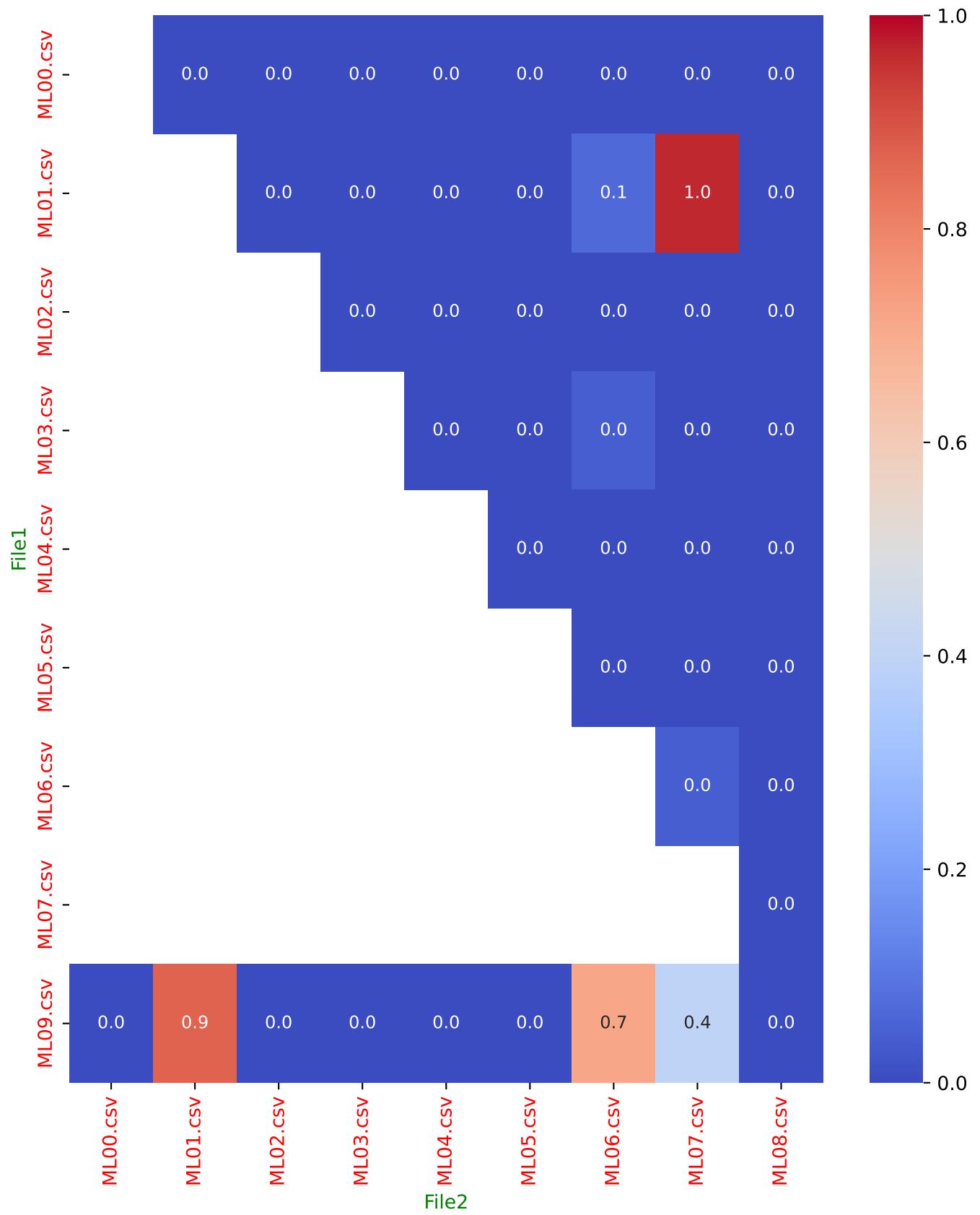


Implementation Number 94

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

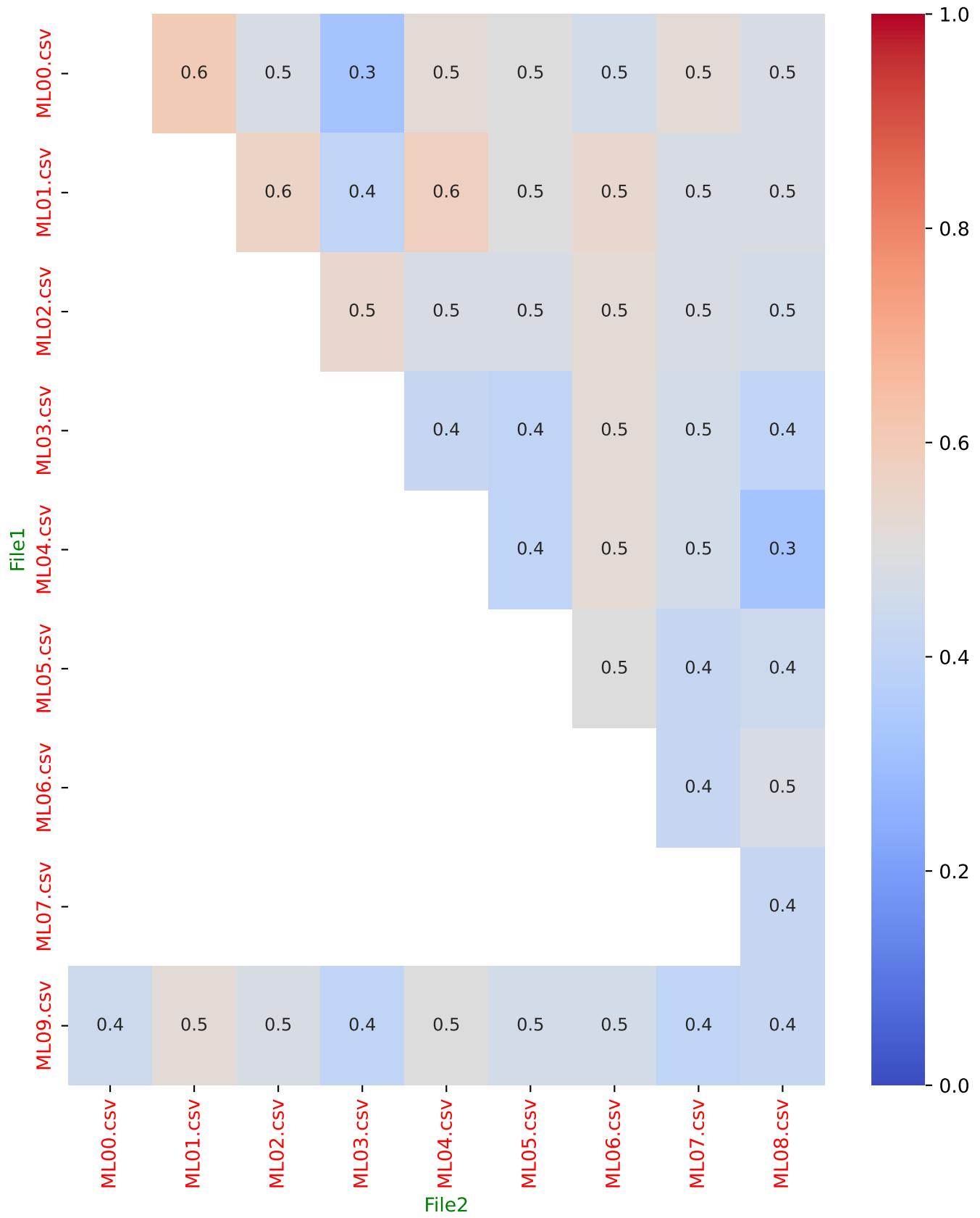


Implementation Number 94

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

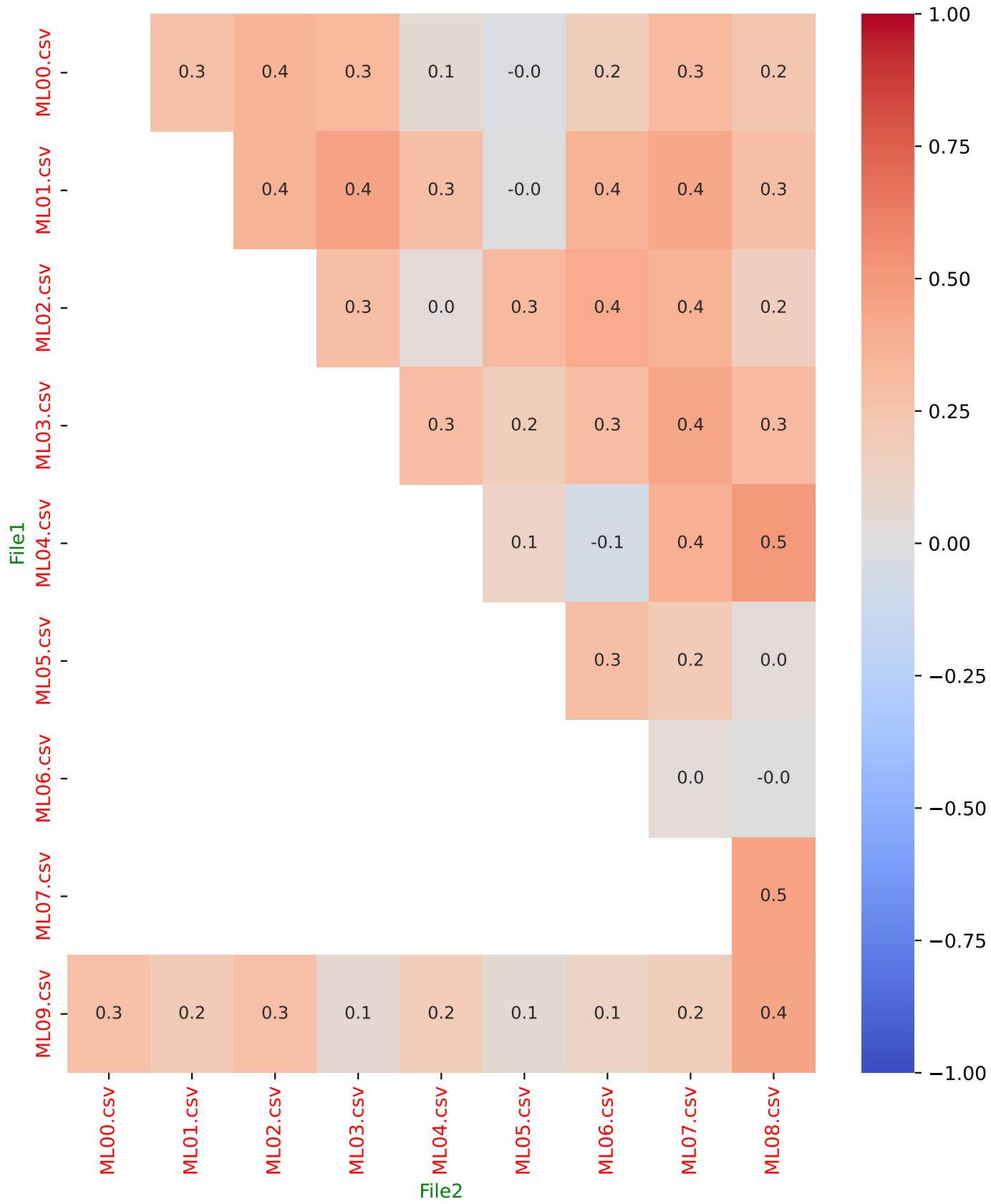


Implementation Number 94

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 95

Similarity, Correlation and Distribution Tests

Mode: Machine Learning
Metric: Degree

Top Nodes: 100
Number of Files: 10

Implementation Number 95

Parameters: Top_N = 100

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 95

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

Implementation Number 95

Parameters: Top_N = 100

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
080.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07
090.00 %	BAKON_571	00, 01, 02, 03, 05, 06, 07, 08, 09
100.00 %	BAKON_126	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
090.00 %	BAKON_276	00, 01, 02, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
040.00 %	BAKON_125	00, 04, 06, 07
090.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09
070.00 %	BAKON_273	00, 01, 02, 04, 06, 08, 09
100.00 %	BAKON_133	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
090.00 %	BAKON_470	00, 01, 02, 03, 05, 06, 07, 08, 09
050.00 %	BAKON_059	00, 02, 05, 07, 08
090.00 %	BAKON_085	00, 01, 02, 03, 04, 05, 06, 07, 09
090.00 %	BAKON_190	00, 01, 02, 03, 05, 06, 07, 08, 09
080.00 %	BAKON_199	00, 02, 03, 05, 06, 07, 08, 09
080.00 %	BAKON_035	00, 01, 02, 03, 04, 05, 07, 08
050.00 %	BAKON_087	00, 05, 06, 07, 09
090.00 %	BAKON_140	00, 01, 02, 03, 04, 05, 07, 08, 09
040.00 %	BAKON_032	00, 03, 04, 05
050.00 %	BAKON_191	00, 03, 06, 08, 09
050.00 %	BAKON_037	00, 02, 03, 04, 06

... continues ... (formatted sample for printing)

Global node Presence Mean (Weighted): 61.98%

Implementation Number 95

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.3333	0.5000	0.0000	0.2200
ML09.csv	ML01.csv	0.3986	0.5700	0.0156	0.1981
ML09.csv	ML02.csv	0.3793	0.5500	0.0000	0.1910
ML09.csv	ML03.csv	0.3514	0.5200	0.0099	0.3212
ML09.csv	ML04.csv	0.3986	0.5700	0.0000	0.1121
ML09.csv	ML05.csv	0.3699	0.5400	0.0000	0.1555
ML09.csv	ML06.csv	0.3793	0.5500	0.9084	0.2724
ML09.csv	ML07.csv	0.3793	0.5500	0.0241	0.1476
ML09.csv	ML08.csv	0.3423	0.5100	0.0000	0.2119
ML00.csv	ML01.csv	0.4286	0.6000	0.0000	0.4285
ML00.csv	ML02.csv	0.3986	0.5700	0.0000	0.3347
ML00.csv	ML03.csv	0.3333	0.5000	0.0000	0.2309
ML00.csv	ML04.csv	0.4085	0.5800	0.0013	0.1827
ML00.csv	ML05.csv	0.3793	0.5500	0.0000	0.2625
ML00.csv	ML06.csv	0.3986	0.5700	0.0000	0.2750
ML00.csv	ML07.csv	0.4388	0.6100	0.0000	0.3937
ML00.csv	ML08.csv	0.4184	0.5900	0.0000	0.2667
ML01.csv	ML02.csv	0.4493	0.6200	0.0000	0.3723
ML01.csv	ML03.csv	0.4493	0.6200	0.0000	0.3031
ML01.csv	ML04.csv	0.4815	0.6500	0.0000	0.3967
ML01.csv	ML05.csv	0.4085	0.5800	0.0000	0.2348
ML01.csv	ML06.csv	0.4925	0.6600	0.1112	0.3420
ML01.csv	ML07.csv	0.4925	0.6600	0.3682	0.3231
ML01.csv	ML08.csv	0.4493	0.6200	0.0000	0.1743
ML02.csv	ML03.csv	0.3986	0.5700	0.0000	0.4435
ML02.csv	ML04.csv	0.4493	0.6200	0.0000	0.1709
ML02.csv	ML05.csv	0.3514	0.5200	0.0000	0.3396
ML02.csv	ML06.csv	0.4493	0.6200	0.0000	0.2767
ML02.csv	ML07.csv	0.4085	0.5800	0.0000	0.1714
ML02.csv	ML08.csv	0.4184	0.5900	0.0000	0.2633
ML03.csv	ML04.csv	0.4599	0.6300	0.0000	0.2136
ML03.csv	ML05.csv	0.3514	0.5200	0.0000	0.2054
ML03.csv	ML06.csv	0.3986	0.5700	0.0001	0.3109
ML03.csv	ML07.csv	0.3793	0.5500	0.0000	0.3046
ML03.csv	ML08.csv	0.3699	0.5400	0.0000	0.2723

Implementation Number 95

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.4286	0.6000	0.0000	0.2142
ML04.csv	ML06.csv	0.5152	0.6800	0.0000	0.0505
ML04.csv	ML07.csv	0.4286	0.6000	0.0000	0.1599
ML04.csv	ML08.csv	0.4286	0.6000	0.0000	0.1049
ML05.csv	ML06.csv	0.3699	0.5400	0.0000	0.2395
ML05.csv	ML07.csv	0.3793	0.5500	0.0000	0.2960
ML05.csv	ML08.csv	0.3986	0.5700	0.0000	0.1708
ML06.csv	ML07.csv	0.3889	0.5600	0.2819	0.2816
ML06.csv	ML08.csv	0.3889	0.5600	0.0000	0.2766
ML07.csv	ML08.csv	0.4085	0.5800	0.0000	0.3453

Global Metrics:

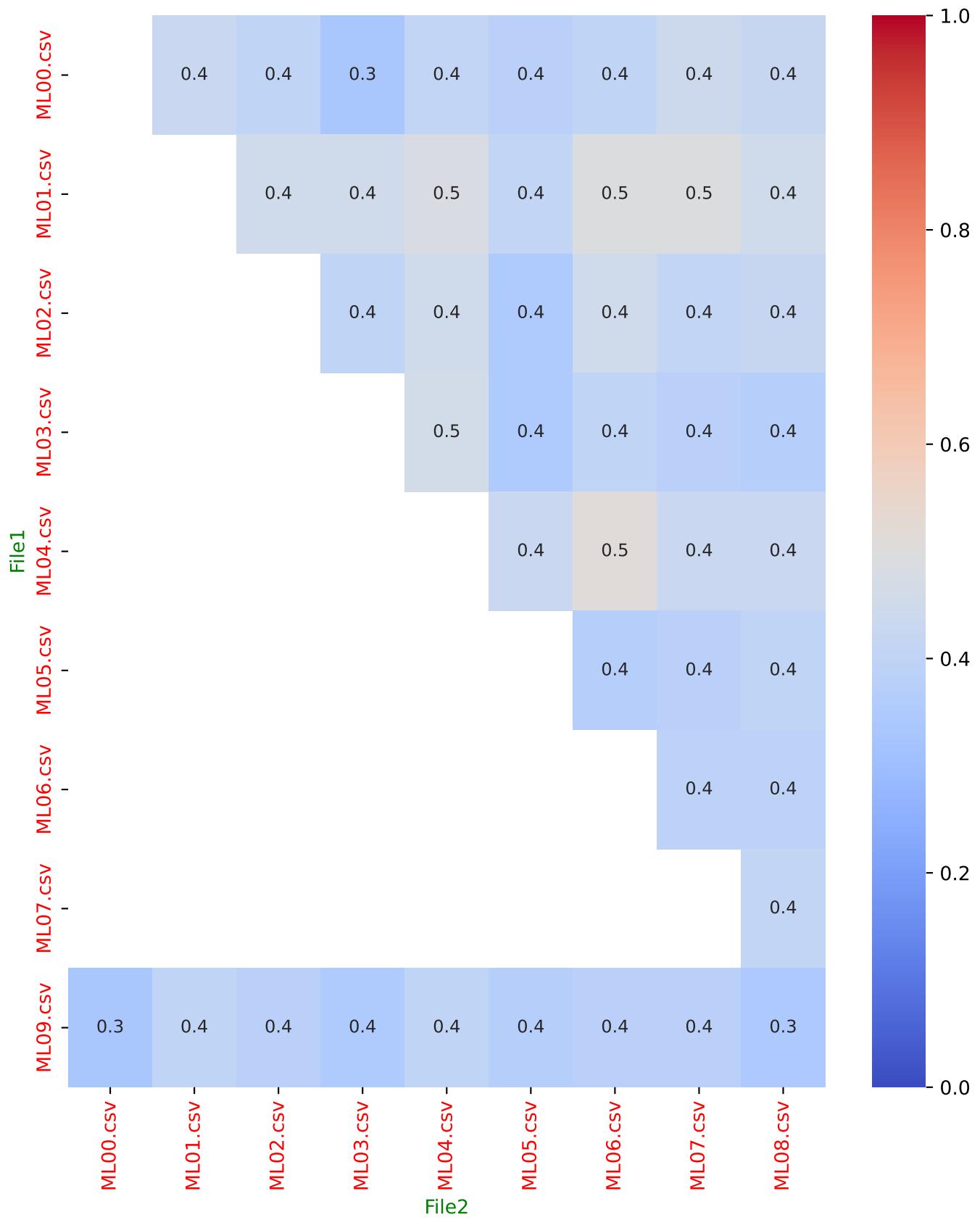
Mean Jaccard Coefficient (J): 0.4073
Fleiss' Kappa Agreement Index (κ_F): 0.2551
Mean KS Distance Between Pairs (D): 0.7249
Mean p-value for KS Test Pairs: 0.0382
Mean KS Distance for Multiple Samples (D_{mult}): 0.5017
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000
Mean Kendall Tau ($\bar{\tau}$): 0.2547
Median Kendall Tau ($\tilde{\tau}$): 0.2633
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 95

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

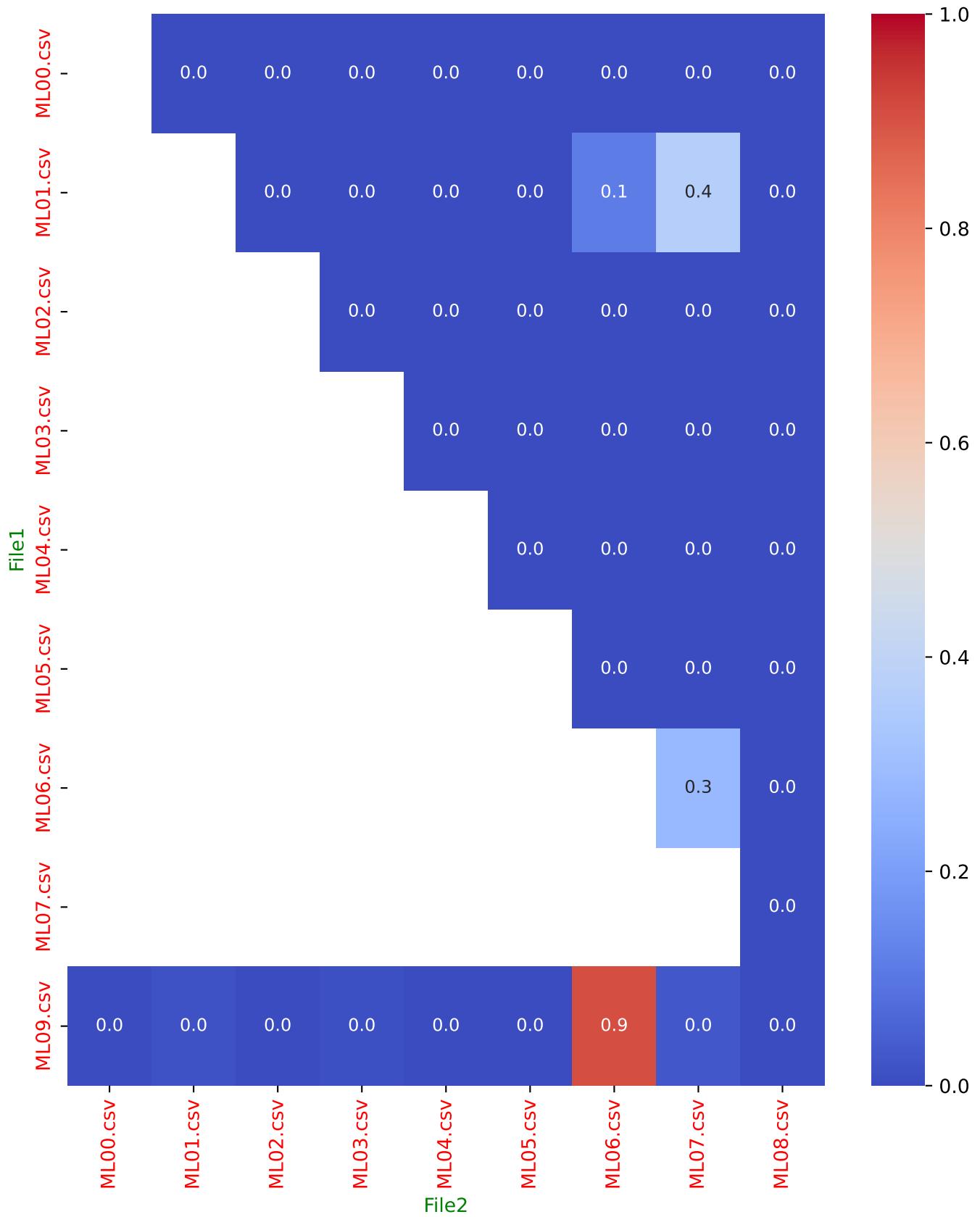


Implementation Number 95

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

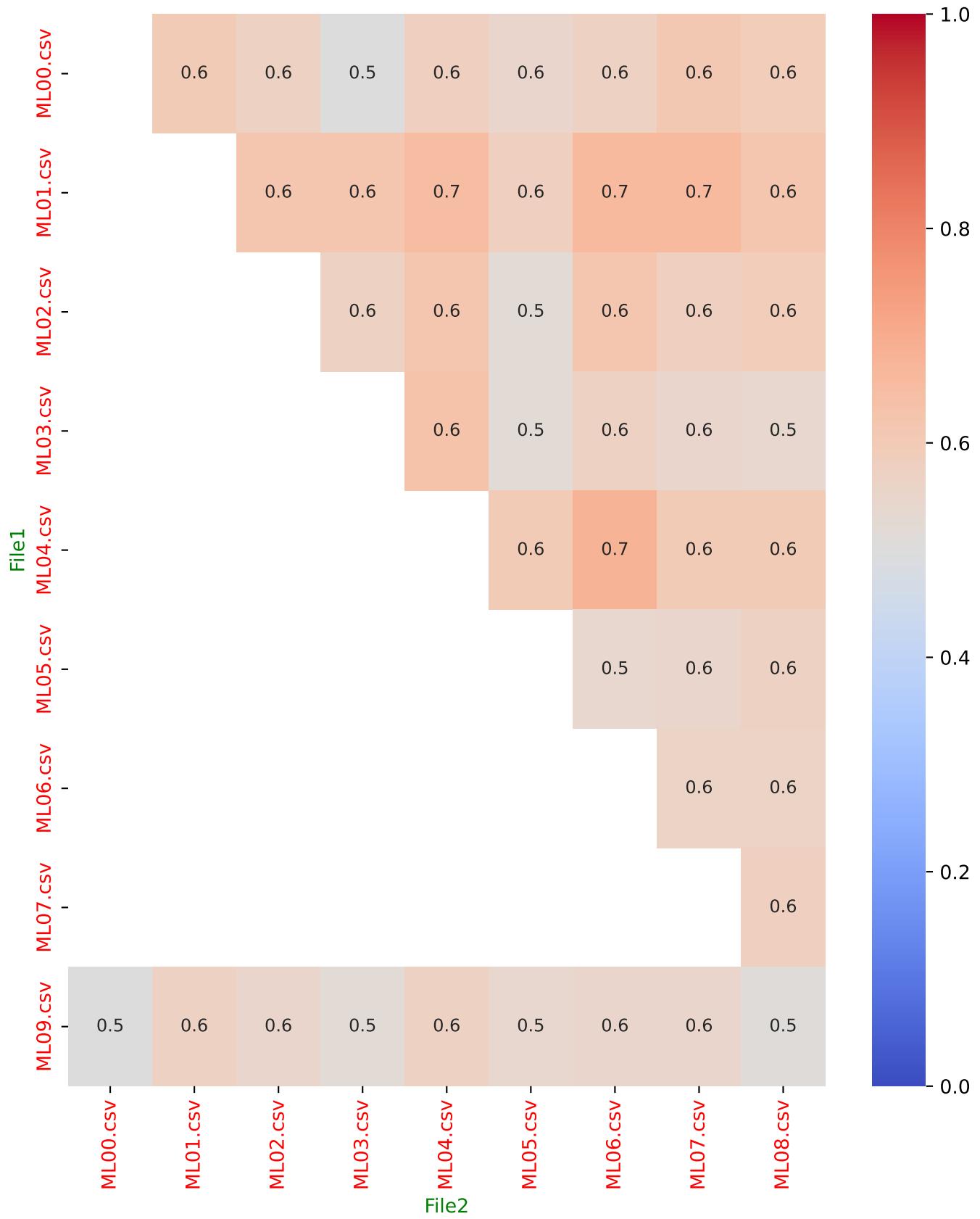


Implementation Number 95

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

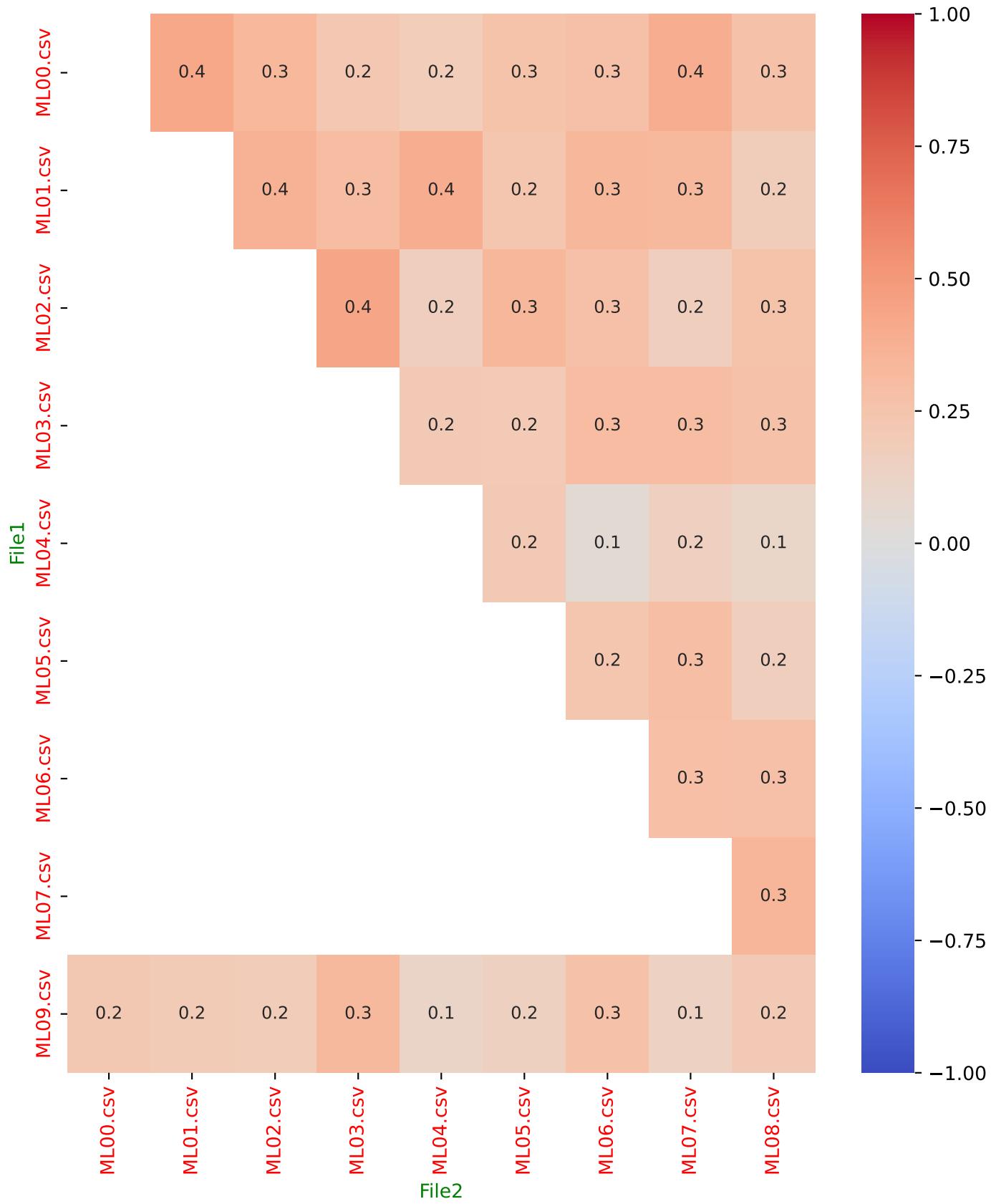


Implementation Number 95

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 96

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

**Top Nodes: 200
Number of Files: 10**

Implementation Number 96

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 96

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

Implementation Number 96

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
090.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08
100.00 %	BAKON_571	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_126	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_276	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
090.00 %	BAKON_125	00, 01, 02, 04, 05, 06, 07, 08, 09
090.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09
090.00 %	BAKON_273	00, 01, 02, 03, 04, 06, 07, 08, 09
100.00 %	BAKON_133	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
090.00 %	BAKON_470	00, 01, 02, 03, 05, 06, 07, 08, 09
100.00 %	BAKON_059	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
090.00 %	BAKON_085	00, 01, 02, 03, 04, 05, 06, 07, 09
100.00 %	BAKON_190	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
090.00 %	BAKON_199	00, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_035	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
090.00 %	BAKON_087	00, 01, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_140	00, 01, 02, 03, 04, 05, 06, 07, 08, 09

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Global node Presence Mean (Weighted): 75.15%

Implementation Number 96

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.5686	0.7250	0.0000	0.2366
ML09.csv	ML01.csv	0.6194	0.7650	0.0521	0.3497
ML09.csv	ML02.csv	0.5810	0.7350	0.0000	0.3489
ML09.csv	ML03.csv	0.5748	0.7300	0.0118	0.2527
ML09.csv	ML04.csv	0.5625	0.7200	0.0000	0.3314
ML09.csv	ML05.csv	0.5810	0.7350	0.0000	0.3159
ML09.csv	ML06.csv	0.5873	0.7400	0.4663	0.2839
ML09.csv	ML07.csv	0.5936	0.7450	0.2205	0.3459
ML09.csv	ML08.csv	0.5326	0.6950	0.0000	0.3249
ML00.csv	ML01.csv	0.6194	0.7650	0.0000	0.4080
ML00.csv	ML02.csv	0.5686	0.7250	0.0000	0.3345
ML00.csv	ML03.csv	0.5748	0.7300	0.0000	0.2484
ML00.csv	ML04.csv	0.5564	0.7150	0.0030	0.3649
ML00.csv	ML05.csv	0.5564	0.7150	0.0000	0.3258
ML00.csv	ML06.csv	0.5936	0.7450	0.0000	0.3323
ML00.csv	ML07.csv	0.5504	0.7100	0.0000	0.3641
ML00.csv	ML08.csv	0.5564	0.7150	0.0000	0.3833
ML01.csv	ML02.csv	0.6064	0.7550	0.0000	0.4691
ML01.csv	ML03.csv	0.5810	0.7350	0.0000	0.3973
ML01.csv	ML04.csv	0.5686	0.7250	0.0000	0.5465
ML01.csv	ML05.csv	0.5504	0.7100	0.0000	0.3312
ML01.csv	ML06.csv	0.6129	0.7600	0.4663	0.5081
ML01.csv	ML07.csv	0.5748	0.7300	0.5453	0.4568
ML01.csv	ML08.csv	0.5385	0.7000	0.0000	0.4595
ML02.csv	ML03.csv	0.5748	0.7300	0.0000	0.4857
ML02.csv	ML04.csv	0.5444	0.7050	0.0000	0.3780
ML02.csv	ML05.csv	0.5686	0.7250	0.0000	0.3617
ML02.csv	ML06.csv	0.5748	0.7300	0.0000	0.4287
ML02.csv	ML07.csv	0.5444	0.7050	0.0000	0.4119
ML02.csv	ML08.csv	0.5209	0.6850	0.0000	0.4484
ML03.csv	ML04.csv	0.5625	0.7200	0.0000	0.3817
ML03.csv	ML05.csv	0.5625	0.7200	0.0000	0.3045
ML03.csv	ML06.csv	0.5686	0.7250	0.0001	0.3252
ML03.csv	ML07.csv	0.5267	0.6900	0.0001	0.3822
ML03.csv	ML08.csv	0.5504	0.7100	0.0000	0.3631

Implementation Number 96

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.5936	0.7450	0.0000	0.3930
ML04.csv	ML06.csv	0.6064	0.7550	0.0000	0.4801
ML04.csv	ML07.csv	0.5936	0.7450	0.0000	0.4165
ML04.csv	ML08.csv	0.5209	0.6850	0.0000	0.4696
ML05.csv	ML06.csv	0.5564	0.7150	0.0000	0.3078
ML05.csv	ML07.csv	0.5564	0.7150	0.0000	0.3870
ML05.csv	ML08.csv	0.5209	0.6850	0.0000	0.4236
ML06.csv	ML07.csv	0.6064	0.7550	0.7126	0.2808
ML06.csv	ML08.csv	0.5504	0.7100	0.0000	0.4162
ML07.csv	ML08.csv	0.5326	0.6950	0.0000	0.3463

Global Metrics:

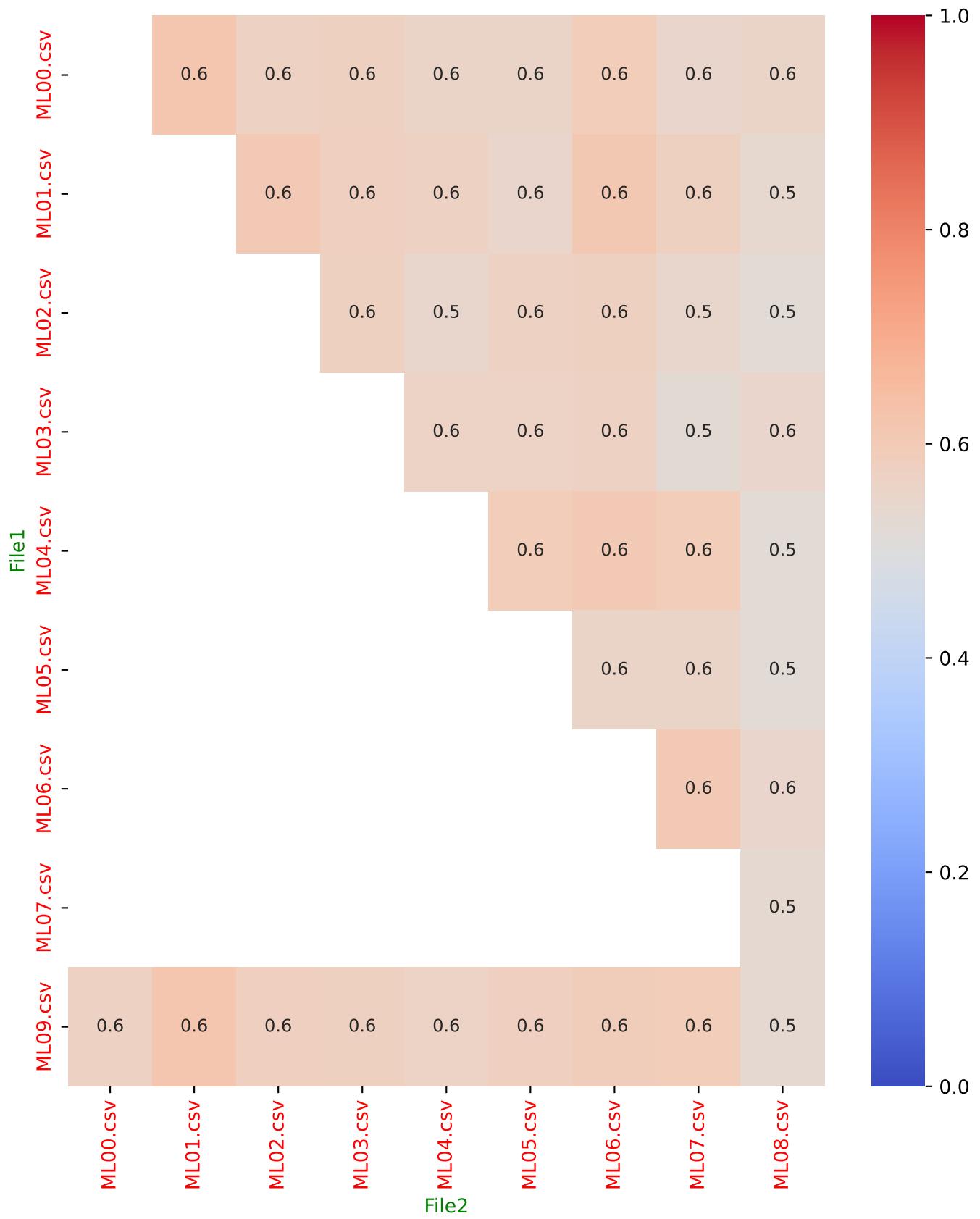
Mean Jaccard Coefficient (J): 0.5677
Fleiss' Kappa Agreement Index (κ_F): 0.3404
Mean KS Distance Between Pairs (D): 0.6062
Mean p-value for KS Test Pairs: 0.0551
Mean KS Distance for Multiple Samples (D_{mult}): 0.4281
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000
Mean Kendall Tau ($\bar{\tau}$): 0.3758
Median Kendall Tau ($\tilde{\tau}$): 0.3649
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 96

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

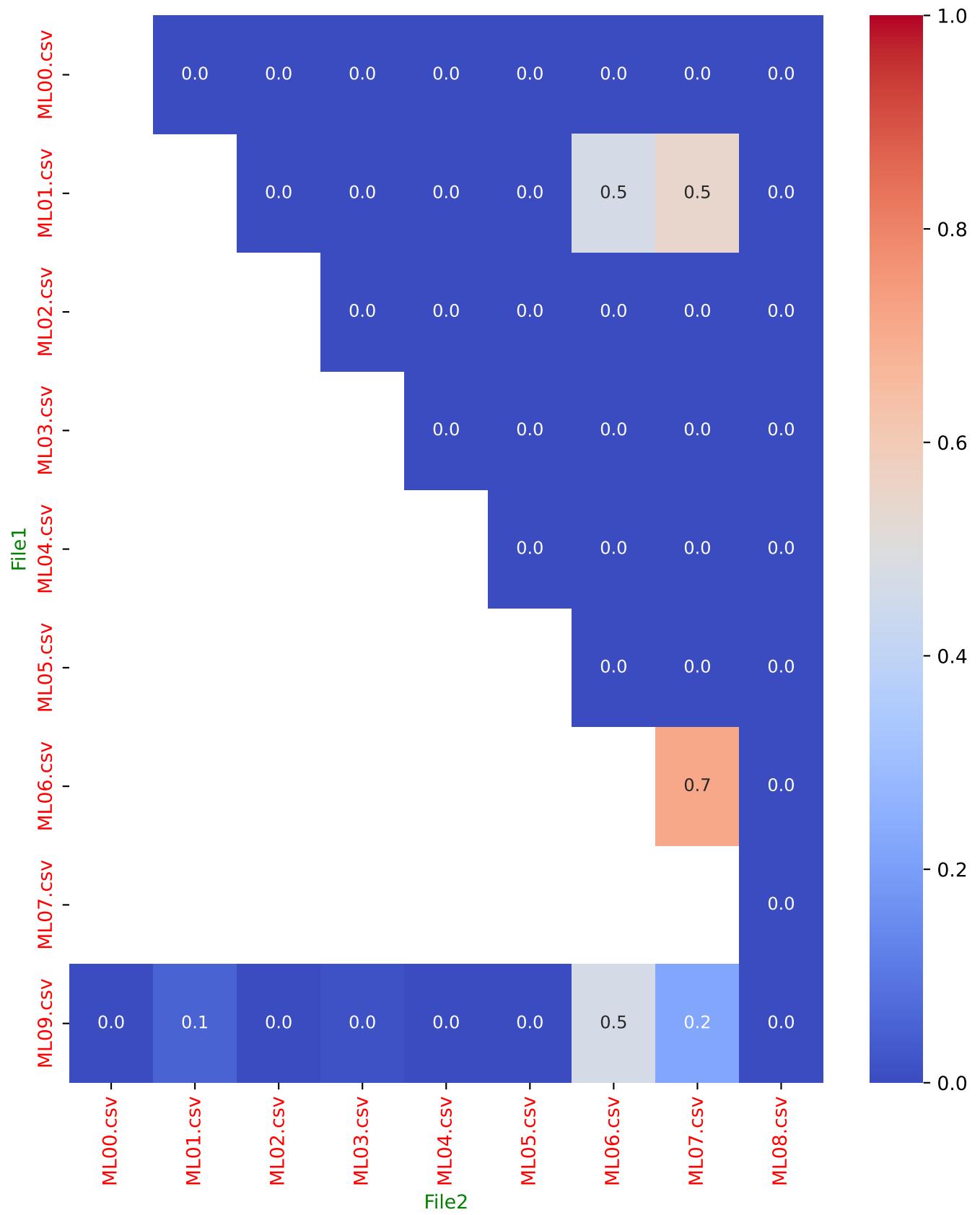


Implementation Number 96

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

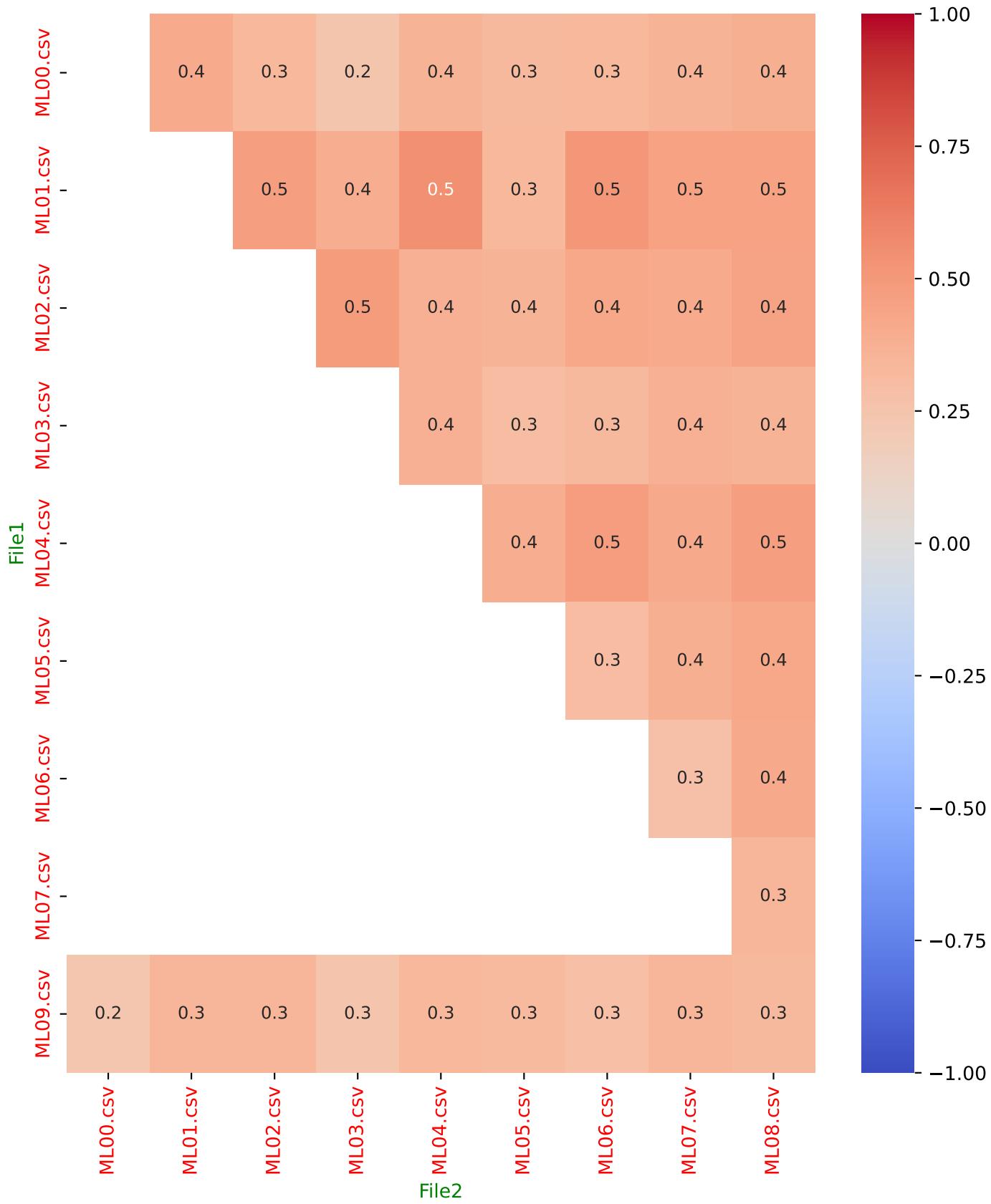


Implementation Number 96

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 97

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 10
Number of Files: 10**

Implementation Number 97

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 97

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

Implementation Number 97

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
070.00 %	BAKON_211	00, 01, 03, 05, 06, 07, 08
050.00 %	BAKON_422	00, 01, 03, 05, 09
090.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 09
030.00 %	BAKON_604	00, 04, 08
020.00 %	BAKON_239	00, 07
070.00 %	BAKON_478	00, 01, 02, 03, 04, 07, 09
010.00 %	BAKON_450	00
020.00 %	BAKON_571	00, 07
030.00 %	BAKON_098	00, 02, 07
040.00 %	BAKON_572	00, 02, 03, 07
050.00 %	BAKON_212	01, 04, 05, 08, 09
070.00 %	BAKON_437	01, 02, 04, 05, 07, 08, 09
010.00 %	BAKON_289	01
050.00 %	BAKON_443	01, 03, 04, 08, 09
010.00 %	BAKON_283	01
020.00 %	BAKON_361	01, 07
020.00 %	BAKON_209	02, 08
020.00 %	BAKON_234	02, 05
010.00 %	BAKON_160	02
030.00 %	BAKON_338	02, 03, 06
020.00 %	BAKON_104	02, 06
020.00 %	BAKON_292	03, 04
020.00 %	BAKON_353	03, 06
010.00 %	BAKON_317	03
020.00 %	BAKON_402	04, 08

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Global node Presence Mean (Weighted): 42.00%

Implementation Number 97

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.2500	0.4000	0.9945	-0.3333
ML09.csv	ML01.csv	0.2500	0.4000	0.7869	0.3333
ML09.csv	ML02.csv	0.3333	0.5000	0.7869	0.4000
ML09.csv	ML03.csv	0.1765	0.3000	0.4175	1.0000
ML09.csv	ML04.csv	0.1765	0.3000	0.7869	0.3333
ML09.csv	ML05.csv	0.1111	0.2000	0.7869	1.0000
ML09.csv	ML06.csv	0.5385	0.7000	0.4175	0.2381
ML09.csv	ML07.csv	0.1111	0.2000	0.4175	1.0000
ML09.csv	ML08.csv	0.1765	0.3000	0.7869	-0.3333
ML00.csv	ML01.csv	0.1765	0.3000	0.1678	-0.3333
ML00.csv	ML02.csv	0.3333	0.5000	0.9945	0.8000
ML00.csv	ML03.csv	0.3333	0.5000	0.1678	0.2000
ML00.csv	ML04.csv	0.3333	0.5000	0.7869	0.2000
ML00.csv	ML05.csv	0.1111	0.2000	0.7869	-1.0000
ML00.csv	ML06.csv	0.3333	0.5000	0.4175	-0.4000
ML00.csv	ML07.csv	0.2500	0.4000	0.1678	0.3333
ML00.csv	ML08.csv	0.4286	0.6000	0.4175	0.7333
ML01.csv	ML02.csv	0.2500	0.4000	0.4175	0.0000
ML01.csv	ML03.csv	0.1765	0.3000	0.7869	-1.0000
ML01.csv	ML04.csv	0.1765	0.3000	0.7869	1.0000
ML01.csv	ML05.csv	0.1765	0.3000	0.9945	1.0000
ML01.csv	ML06.csv	0.3333	0.5000	0.7869	-1.0000
ML01.csv	ML07.csv	0.1111	0.2000	0.9945	1.0000
ML01.csv	ML08.csv	0.1765	0.3000	0.9945	-0.3333
ML02.csv	ML03.csv	0.2500	0.4000	0.4175	0.3333
ML02.csv	ML04.csv	0.1765	0.3000	0.4175	-1.0000
ML02.csv	ML05.csv	0.2500	0.4000	0.7869	-0.3333
ML02.csv	ML06.csv	0.2500	0.4000	0.7869	0.0000
ML02.csv	ML07.csv	0.1111	0.2000	0.4175	1.0000
ML02.csv	ML08.csv	0.2500	0.4000	0.4175	1.0000
ML03.csv	ML04.csv	0.1765	0.3000	0.4175	-1.0000
ML03.csv	ML05.csv	0.1111	0.2000	0.9945	1.0000
ML03.csv	ML06.csv	0.1765	0.3000	0.7869	1.0000
ML03.csv	ML07.csv	0.3333	0.5000	0.9945	-0.4000
ML03.csv	ML08.csv	0.3333	0.5000	0.9945	0.2000

Implementation Number 97

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.2500	0.4000	0.7869	-0.3333
ML04.csv	ML06.csv	0.1765	0.3000	0.4175	-0.3333
ML04.csv	ML07.csv	0.2500	0.4000	0.4175	0.0000
ML04.csv	ML08.csv	0.3333	0.5000	0.7869	0.2000
ML05.csv	ML06.csv	0.1111	0.2000	0.7869	1.0000
ML05.csv	ML07.csv	0.1111	0.2000	0.9945	1.0000
ML05.csv	ML08.csv	0.1111	0.2000	0.9945	1.0000
ML06.csv	ML07.csv	0.1111	0.2000	0.7869	1.0000
ML06.csv	ML08.csv	0.1765	0.3000	0.7869	0.3333
ML07.csv	ML08.csv	0.1765	0.3000	0.9945	0.3333

Global Metrics:

Mean Jaccard Coefficient (J): 0.2233

Fleiss' Kappa Agreement Index (κ_F): 0.1254

Mean KS Distance Between Pairs (D): 0.3178

Mean p-value for KS Test Pairs: 0.6897

Mean KS Distance for Multiple Samples (D_{mult}): 0.2290

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.6594

Mean Kendall Tau ($\bar{\tau}$): 0.2408

Median Kendall Tau ($\tilde{\tau}$): 0.3333

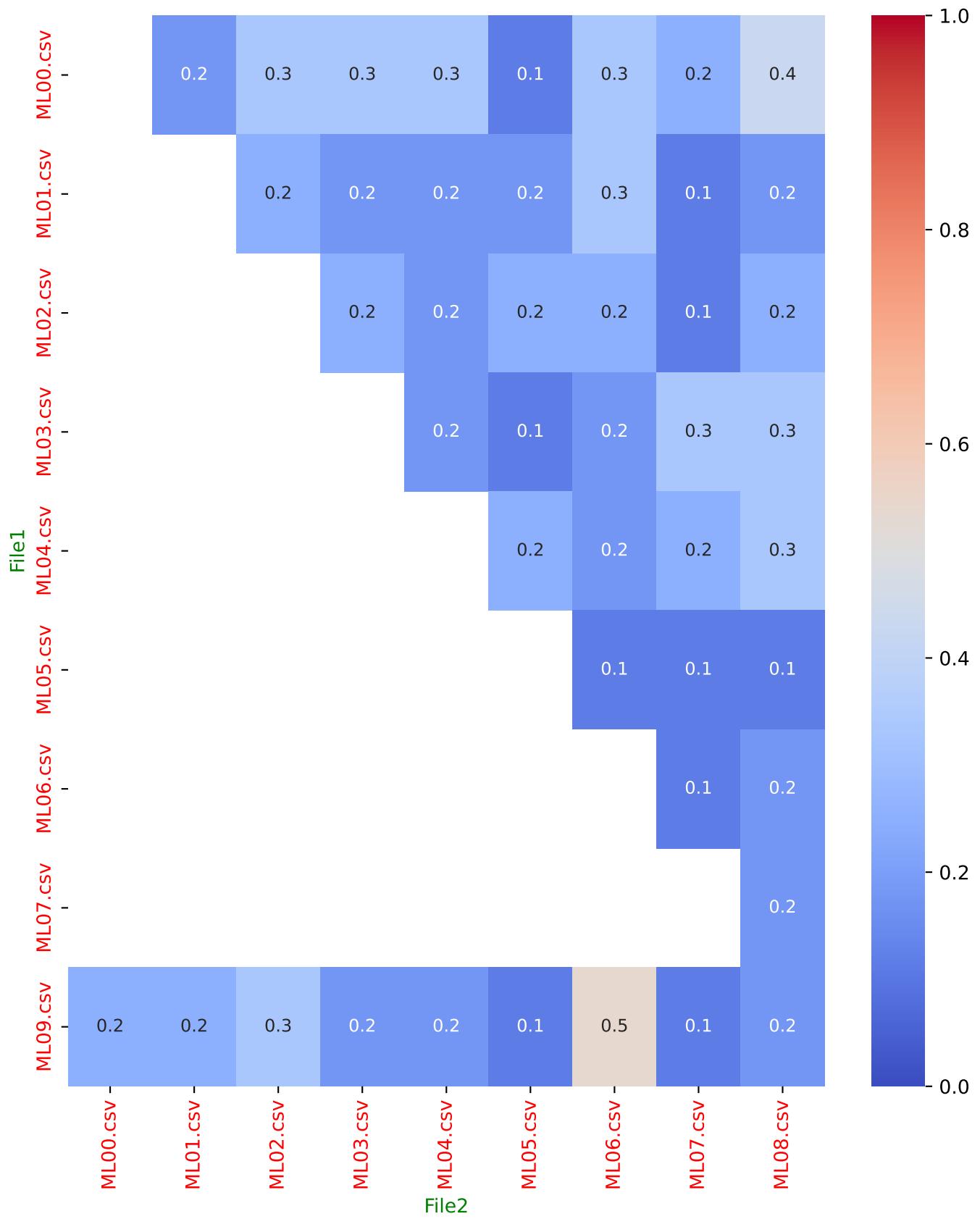
Percentage of Pairs with $\tau > 0$: 62.22%

Implementation Number 97

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

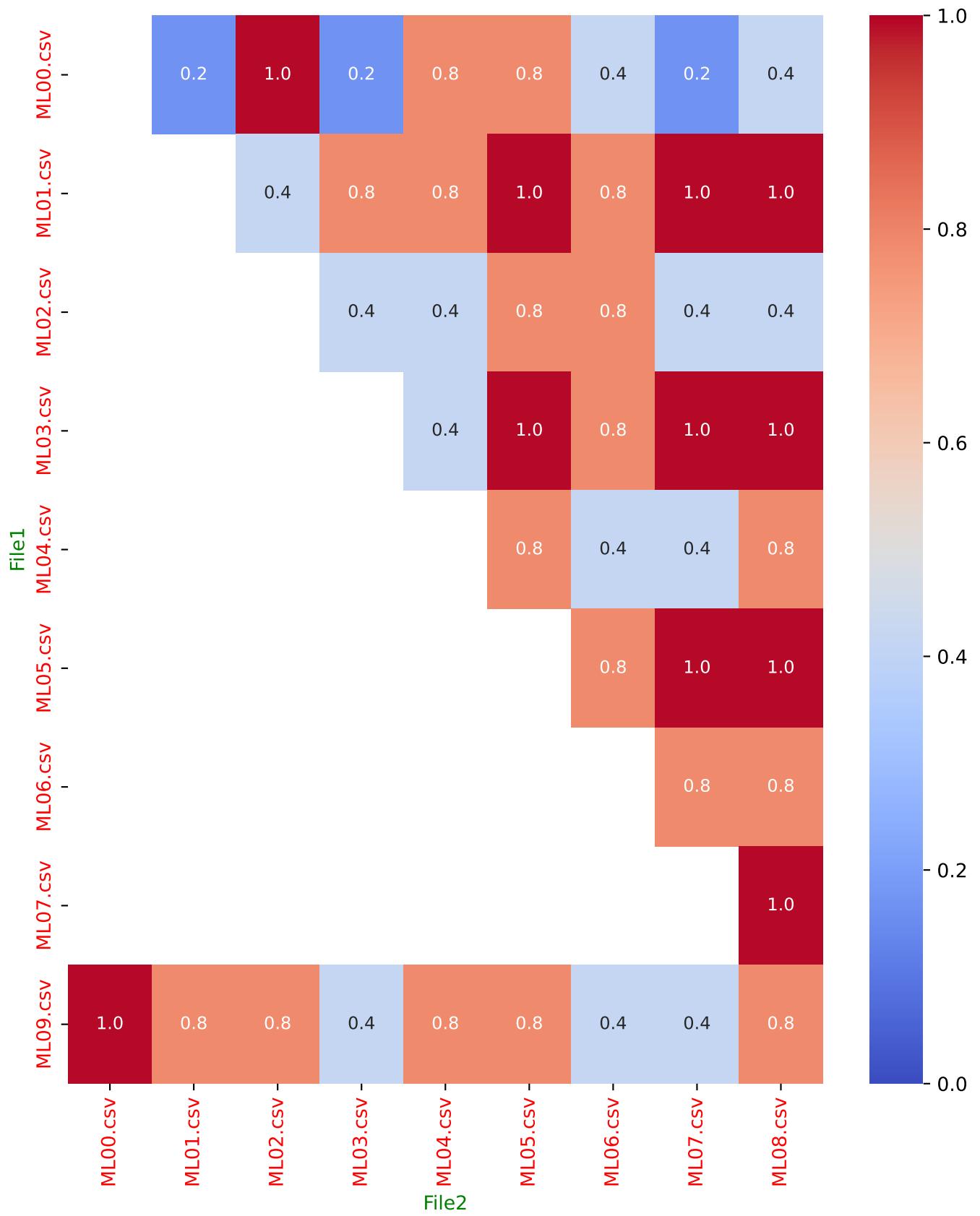


Implementation Number 97

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

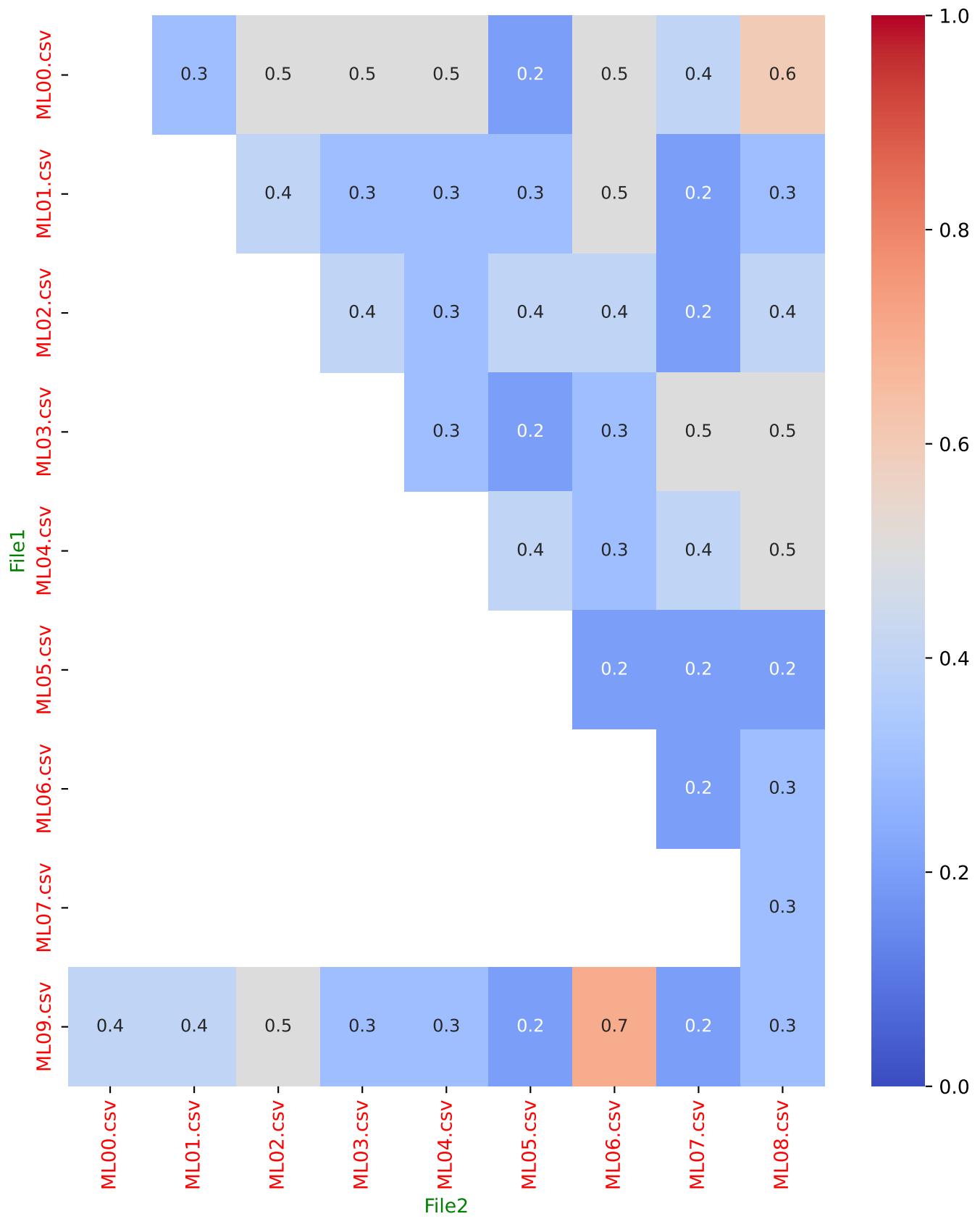


Implementation Number 97

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

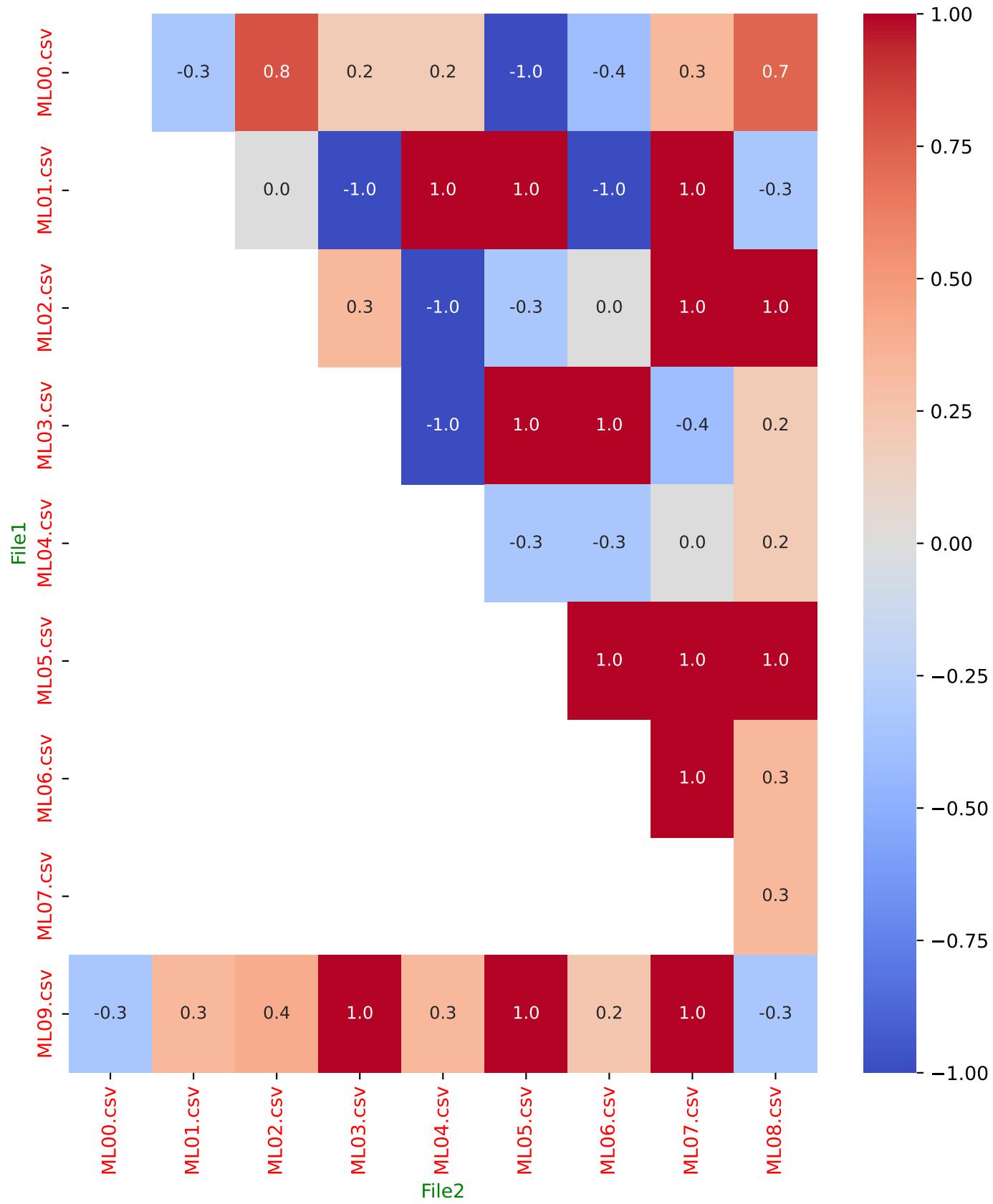


Implementation Number 97

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 98

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 20
Number of Files: 10**

Implementation Number 98

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 98

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

Implementation Number 98

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
080.00 %	BAKON_211	00, 01, 03, 04, 05, 06, 07, 08
060.00 %	BAKON_422	00, 01, 02, 03, 05, 09
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
040.00 %	BAKON_604	00, 02, 04, 08
030.00 %	BAKON_239	00, 03, 07
070.00 %	BAKON_478	00, 01, 02, 03, 04, 07, 09
010.00 %	BAKON_450	00
060.00 %	BAKON_571	00, 04, 06, 07, 08, 09
050.00 %	BAKON_098	00, 01, 02, 07, 08
080.00 %	BAKON_572	00, 02, 03, 04, 05, 06, 07, 09
020.00 %	BAKON_343	00, 07
090.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09
050.00 %	BAKON_425	00, 03, 05, 06, 07
070.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09
070.00 %	BAKON_317	00, 01, 02, 03, 05, 08, 09
050.00 %	BAKON_319	00, 02, 03, 08, 09
030.00 %	BAKON_293	00, 05, 06
030.00 %	BAKON_570	00, 03, 06
020.00 %	BAKON_475	00, 06
060.00 %	BAKON_337	00, 01, 02, 03, 04, 06
050.00 %	BAKON_212	01, 04, 05, 08, 09
010.00 %	BAKON_289	01
060.00 %	BAKON_443	01, 02, 03, 04, 08, 09
010.00 %	BAKON_283	01

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Global node Presence Mean (Weighted): 48.90%

Implementation Number 98

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.2903	0.4500	0.5713	0.3889
ML09.csv	ML01.csv	0.3793	0.5500	0.8320	0.2000
ML09.csv	ML02.csv	0.3793	0.5500	0.1745	0.4909
ML09.csv	ML03.csv	0.2903	0.4500	0.8320	0.0556
ML09.csv	ML04.csv	0.2500	0.4000	0.9831	0.1429
ML09.csv	ML05.csv	0.3793	0.5500	0.5713	0.2727
ML09.csv	ML06.csv	0.3793	0.5500	0.5713	0.5273
ML09.csv	ML07.csv	0.2500	0.4000	0.3356	0.2143
ML09.csv	ML08.csv	0.2903	0.4500	0.9831	0.3333
ML00.csv	ML01.csv	0.4815	0.6500	0.5713	0.4103
ML00.csv	ML02.csv	0.2903	0.4500	0.1745	0.8333
ML00.csv	ML03.csv	0.2500	0.4000	0.5713	0.3571
ML00.csv	ML04.csv	0.2500	0.4000	0.9831	0.3571
ML00.csv	ML05.csv	0.2500	0.4000	0.3356	0.0714
ML00.csv	ML06.csv	0.2903	0.4500	0.8320	0.3333
ML00.csv	ML07.csv	0.2903	0.4500	0.5713	0.3333
ML00.csv	ML08.csv	0.3333	0.5000	0.5713	0.4222
ML01.csv	ML02.csv	0.3333	0.5000	0.8320	0.2000
ML01.csv	ML03.csv	0.2500	0.4000	0.8320	0.0000
ML01.csv	ML04.csv	0.2903	0.4500	0.8320	0.0000
ML01.csv	ML05.csv	0.2903	0.4500	0.9831	0.0000
ML01.csv	ML06.csv	0.2903	0.4500	0.8320	0.0556
ML01.csv	ML07.csv	0.2903	0.4500	0.3356	0.0556
ML01.csv	ML08.csv	0.3793	0.5500	0.9831	0.2000
ML02.csv	ML03.csv	0.2500	0.4000	0.1745	0.1429
ML02.csv	ML04.csv	0.2500	0.4000	0.1745	0.3571
ML02.csv	ML05.csv	0.2903	0.4500	0.8320	0.4444
ML02.csv	ML06.csv	0.2500	0.4000	0.3356	0.2857
ML02.csv	ML07.csv	0.2121	0.3500	0.0811	-0.0476
ML02.csv	ML08.csv	0.2500	0.4000	0.5713	0.7143
ML03.csv	ML04.csv	0.1765	0.3000	0.5713	0.3333
ML03.csv	ML05.csv	0.2500	0.4000	0.8320	0.0000
ML03.csv	ML06.csv	0.2121	0.3500	0.9831	0.0476
ML03.csv	ML07.csv	0.2500	0.4000	0.3356	-0.2857
ML03.csv	ML08.csv	0.2500	0.4000	1.0000	0.3571

Implementation Number 98

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.2903	0.4500	0.5713	0.1111
ML04.csv	ML06.csv	0.2903	0.4500	0.3356	-0.0556
ML04.csv	ML07.csv	0.2500	0.4000	0.5713	0.2857
ML04.csv	ML08.csv	0.2500	0.4000	0.8320	0.5714
ML05.csv	ML06.csv	0.2500	0.4000	0.9831	0.2857
ML05.csv	ML07.csv	0.2121	0.3500	0.0811	0.2381
ML05.csv	ML08.csv	0.2121	0.3500	0.9831	-0.0476
ML06.csv	ML07.csv	0.1429	0.2500	0.1745	0.2000
ML06.csv	ML08.csv	0.2903	0.4500	0.9831	0.1111
ML07.csv	ML08.csv	0.2500	0.4000	0.1745	0.2857

Global Metrics:

Mean Jaccard Coefficient (J): 0.2784

Fleiss' Kappa Agreement Index (κ_F): 0.2005

Mean KS Distance Between Pairs (D): 0.2422

Mean p-value for KS Test Pairs: 0.6150

Mean KS Distance for Multiple Samples (D_{mult}): 0.1685

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.6502

Mean Kendall Tau ($\bar{\tau}$): 0.2353

Median Kendall Tau ($\tilde{\tau}$): 0.2381

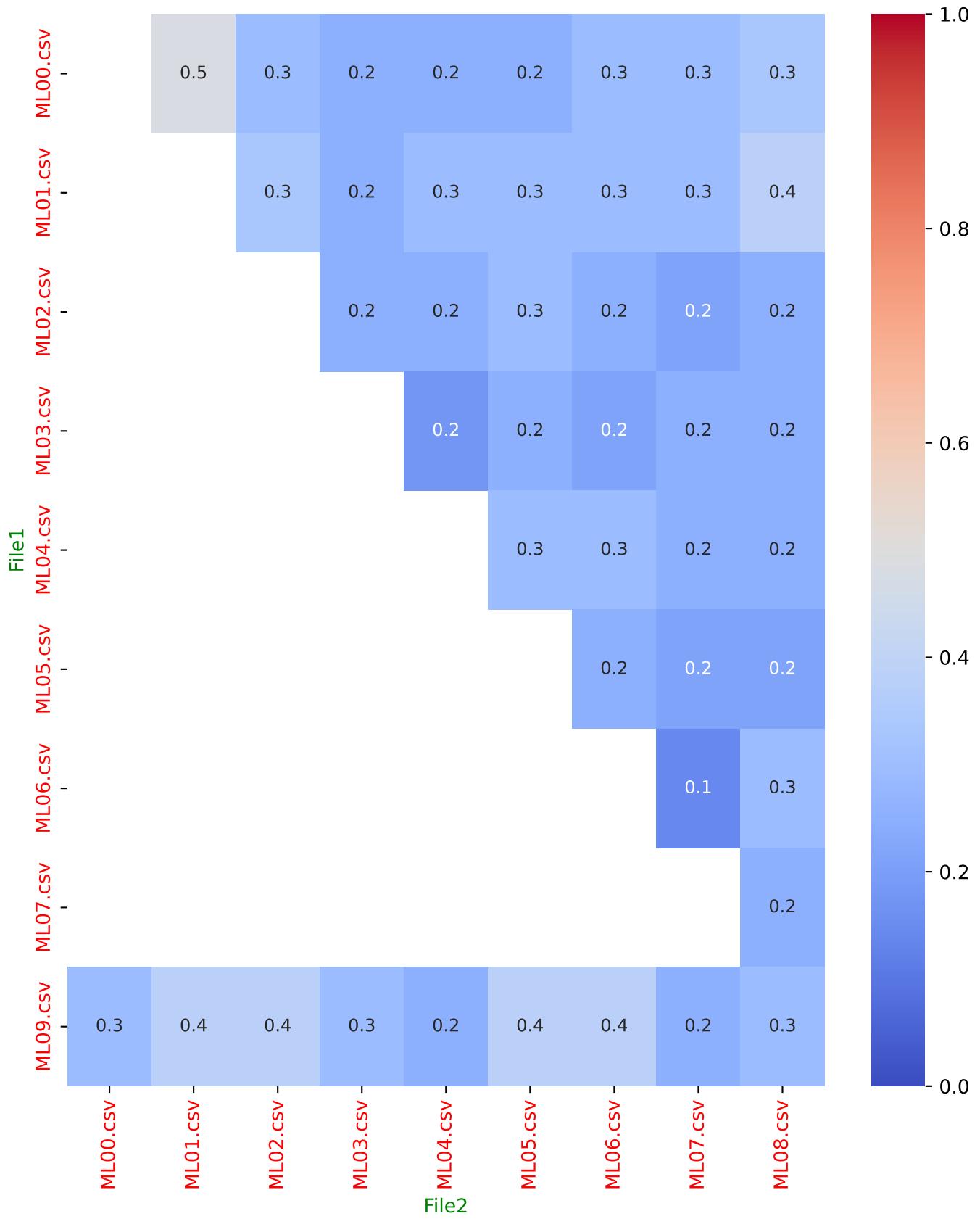
Percentage of Pairs with $\tau > 0$: 82.22%

Implementation Number 98

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenness centrality

Heatmap of Jaccard Coefficient

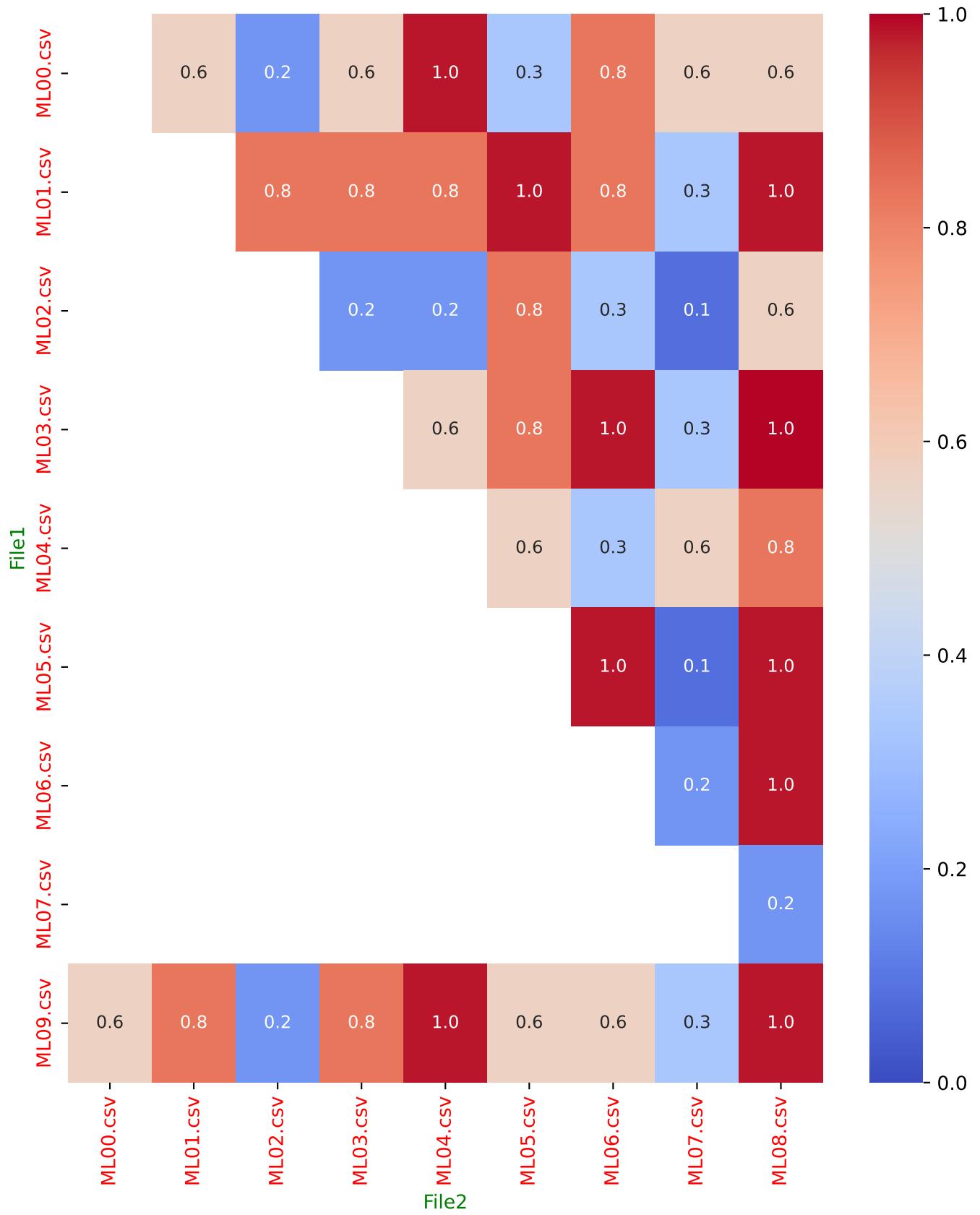


Implementation Number 98

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

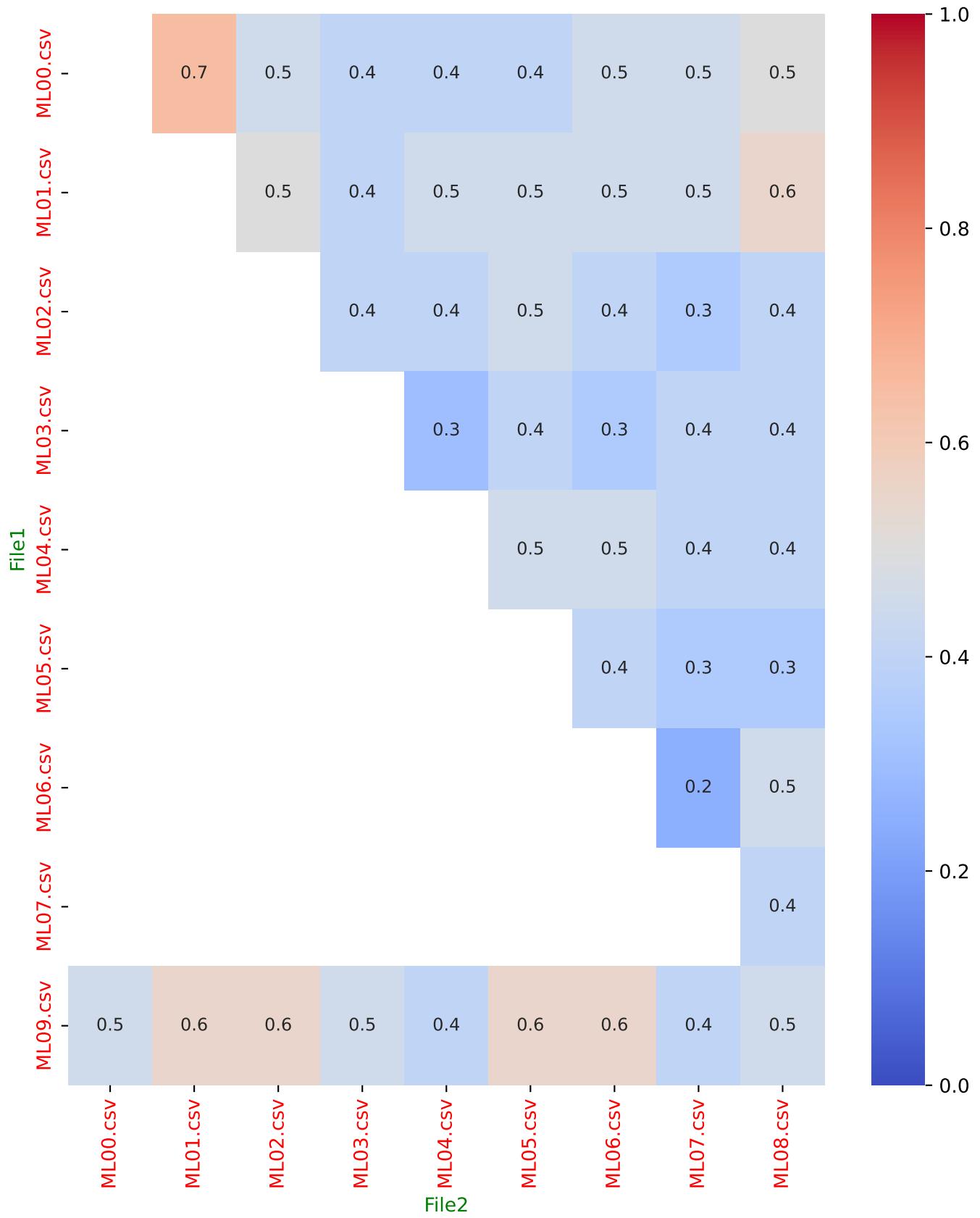


Implementation Number 98

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

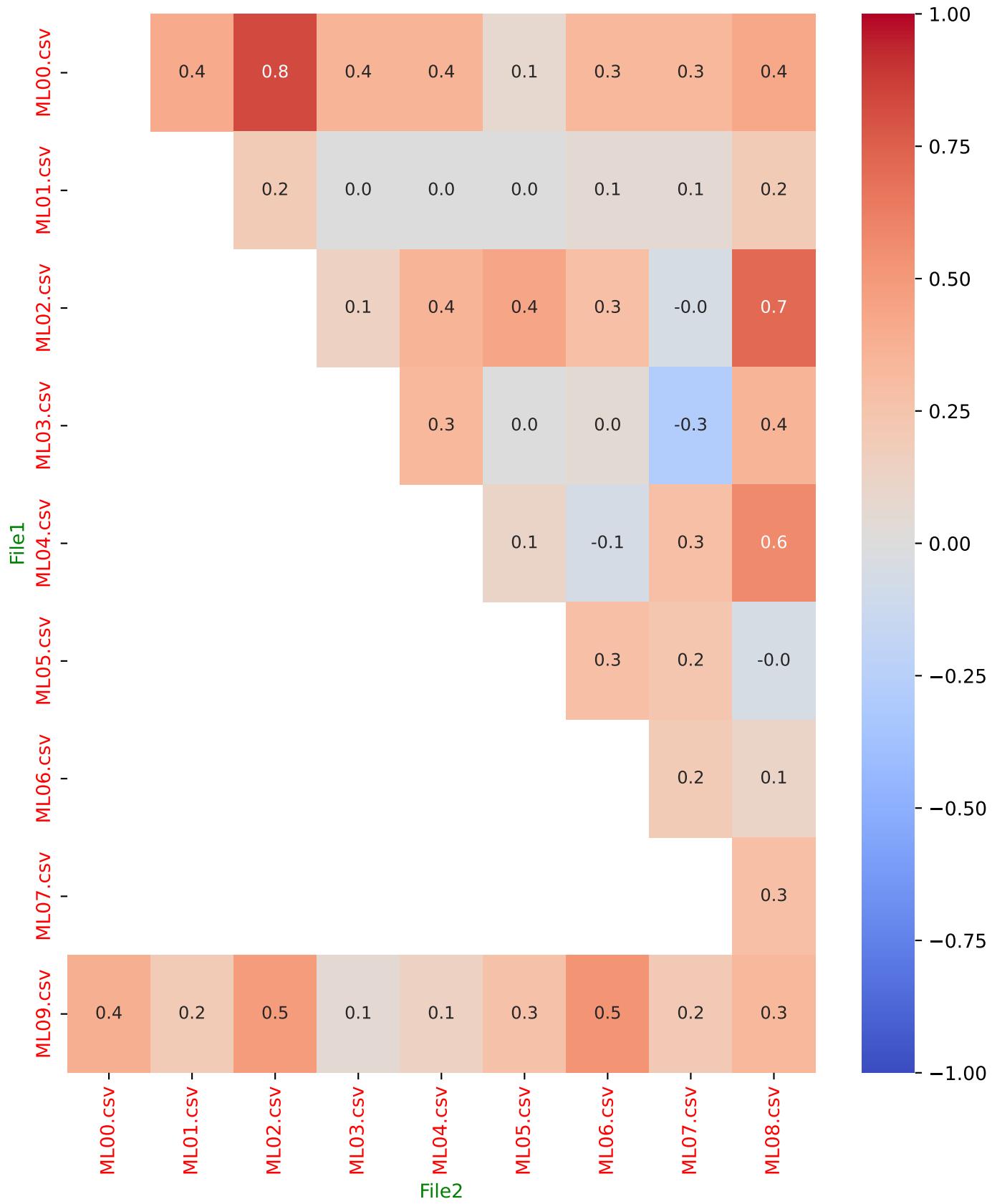


Implementation Number 98

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 99

Similarity, Correlation and Distribution Tests

Mode: Machine Learning
Metric: Betweennesscentrality

Top Nodes: 30
Number of Files: 10

Implementation Number 99

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 99

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

Implementation Number 99

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
080.00 %	BAKON_211	00, 01, 03, 04, 05, 06, 07, 08
070.00 %	BAKON_422	00, 01, 02, 03, 05, 08, 09
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
040.00 %	BAKON_604	00, 02, 04, 08
030.00 %	BAKON_239	00, 03, 07
080.00 %	BAKON_478	00, 01, 02, 03, 04, 06, 07, 09
020.00 %	BAKON_450	00, 04
070.00 %	BAKON_571	00, 01, 04, 06, 07, 08, 09
060.00 %	BAKON_098	00, 01, 02, 07, 08, 09
090.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09
040.00 %	BAKON_343	00, 01, 07, 09
090.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09
060.00 %	BAKON_425	00, 02, 03, 05, 06, 07
070.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09
100.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
040.00 %	BAKON_293	00, 02, 05, 06
070.00 %	BAKON_570	00, 03, 04, 05, 06, 07, 09
020.00 %	BAKON_475	00, 06
090.00 %	BAKON_337	00, 01, 02, 03, 04, 06, 07, 08, 09
030.00 %	BAKON_374	00, 01, 06
060.00 %	BAKON_344	00, 01, 03, 05, 07, 08
030.00 %	BAKON_373	00, 01, 06

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Global node Presence Mean (Weighted): 53.07%

Implementation Number 99

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	K_S_p	Kendall
ML09.csv	ML00.csv	0.3953	0.5667	0.8080	0.2140
ML09.csv	ML01.csv	0.3043	0.4667	0.5941	0.2747
ML09.csv	ML02.csv	0.2766	0.4333	0.3929	0.4103
ML09.csv	ML03.csv	0.3636	0.5333	0.9578	0.2167
ML09.csv	ML04.csv	0.2245	0.3667	0.9988	0.1636
ML09.csv	ML05.csv	0.3953	0.5667	0.5941	0.2206
ML09.csv	ML06.csv	0.3636	0.5333	0.8080	0.6833
ML09.csv	ML07.csv	0.2500	0.4000	0.3929	0.1515
ML09.csv	ML08.csv	0.3636	0.5333	0.8080	0.2833
ML00.csv	ML01.csv	0.3953	0.5667	0.8080	0.1324
ML00.csv	ML02.csv	0.2500	0.4000	0.3929	0.6667
ML00.csv	ML03.csv	0.2500	0.4000	0.8080	0.5455
ML00.csv	ML04.csv	0.2766	0.4333	0.8080	0.4615
ML00.csv	ML05.csv	0.3333	0.5000	0.5941	0.1531
ML00.csv	ML06.csv	0.3953	0.5667	0.5941	0.2941
ML00.csv	ML07.csv	0.3043	0.4667	0.5941	0.3846
ML00.csv	ML08.csv	0.4634	0.6333	0.8080	0.4386
ML01.csv	ML02.csv	0.3953	0.5667	0.9578	0.5441
ML01.csv	ML03.csv	0.3333	0.5000	0.5941	0.2952
ML01.csv	ML04.csv	0.3043	0.4667	0.3929	0.0110
ML01.csv	ML05.csv	0.3043	0.4667	0.9988	0.1209
ML01.csv	ML06.csv	0.3333	0.5000	0.1350	0.2571
ML01.csv	ML07.csv	0.3953	0.5667	0.1350	0.1618
ML01.csv	ML08.csv	0.3953	0.5667	0.9988	-0.1029
ML02.csv	ML03.csv	0.4286	0.6000	0.3929	0.3725
ML02.csv	ML04.csv	0.3043	0.4667	0.1350	0.3846
ML02.csv	ML05.csv	0.3043	0.4667	0.9578	0.2088
ML02.csv	ML06.csv	0.3333	0.5000	0.1350	0.1914
ML02.csv	ML07.csv	0.3636	0.5333	0.0709	0.2259
ML02.csv	ML08.csv	0.2500	0.4000	0.8080	0.6364
ML03.csv	ML04.csv	0.2245	0.3667	0.8080	0.6364
ML03.csv	ML05.csv	0.3333	0.5000	0.8080	0.1429
ML03.csv	ML06.csv	0.2245	0.3667	0.8080	0.2364
ML03.csv	ML07.csv	0.3333	0.5000	0.3929	0.1429
ML03.csv	ML08.csv	0.3043	0.4667	0.9578	0.5604

Implementation Number 99

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.2500	0.4000	0.3929	0.3636
ML04.csv	ML06.csv	0.2500	0.4000	0.5941	0.3030
ML04.csv	ML07.csv	0.2500	0.4000	0.8080	0.0303
ML04.csv	ML08.csv	0.2766	0.4333	0.5941	0.5897
ML05.csv	ML06.csv	0.3043	0.4667	0.2391	0.4066
ML05.csv	ML07.csv	0.2500	0.4000	0.2391	0.0909
ML05.csv	ML08.csv	0.3636	0.5333	0.9988	0.0500
ML06.csv	ML07.csv	0.2245	0.3667	0.3929	0.3333
ML06.csv	ML08.csv	0.3636	0.5333	0.3929	0.2667
ML07.csv	ML08.csv	0.2766	0.4333	0.2391	0.2564

Global Metrics:

Mean Jaccard Coefficient (J): 0.3173

Fleiss' Kappa Agreement Index (κ_F): 0.2221

Mean KS Distance Between Pairs (D): 0.1993

Mean p-value for KS Test Pairs: 0.6031

Mean KS Distance for Multiple Samples (D_{mult}): 0.1360

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.6428

Mean Kendall Tau ($\bar{\tau}$): 0.2980

Median Kendall Tau ($\tilde{\tau}$): 0.2667

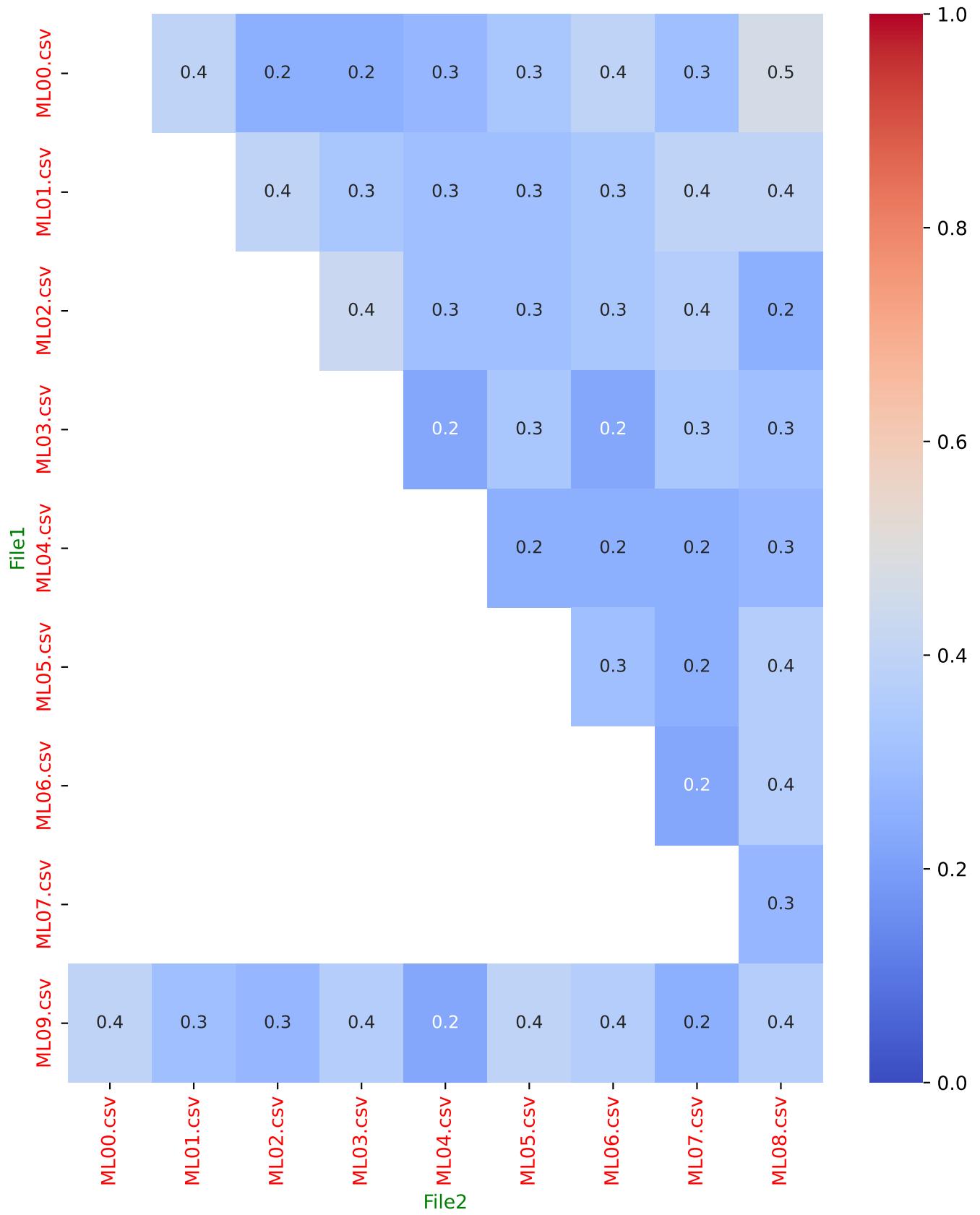
Percentage of Pairs with $\tau > 0$: 97.78%

Implementation Number 99

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

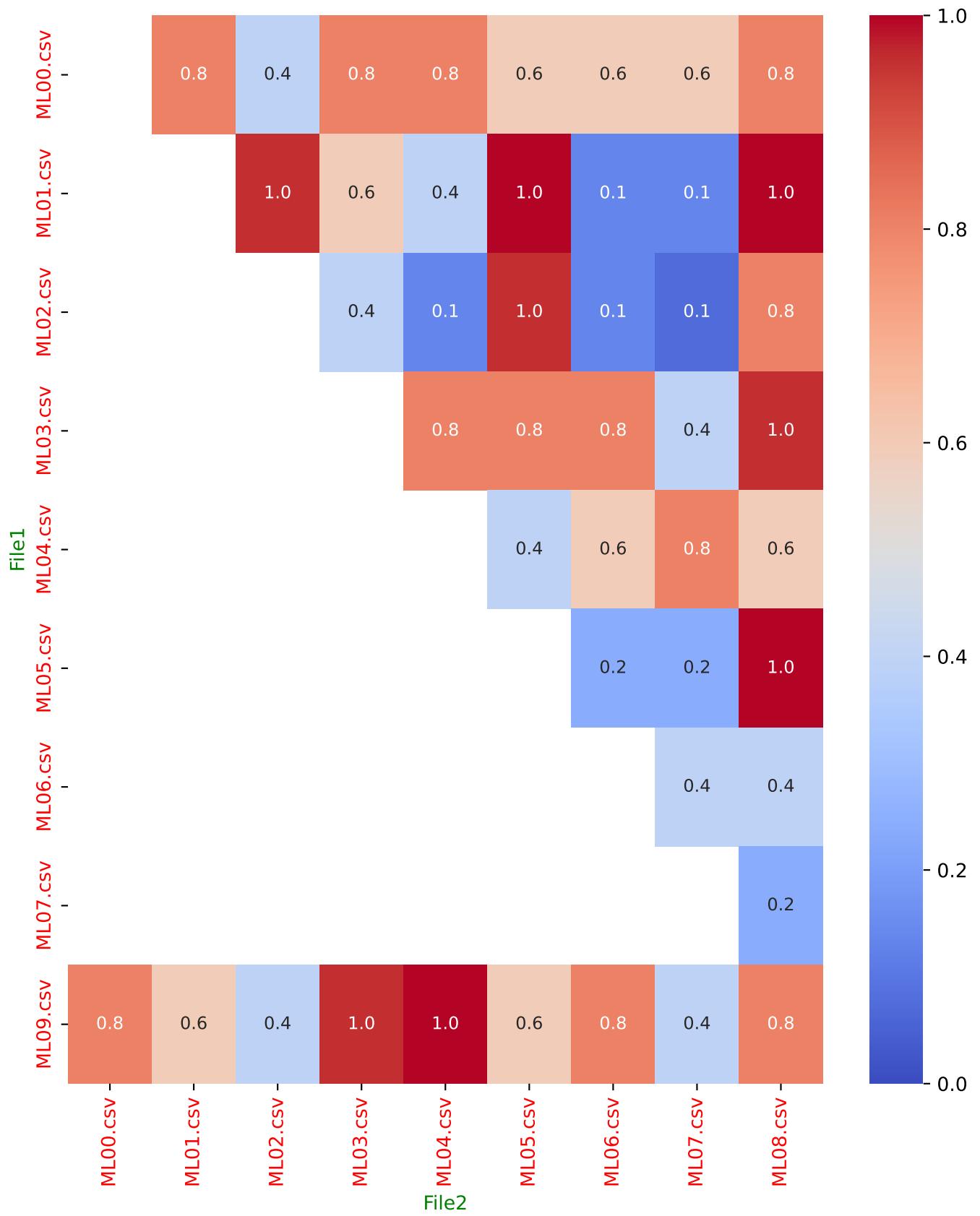


Implementation Number 99

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

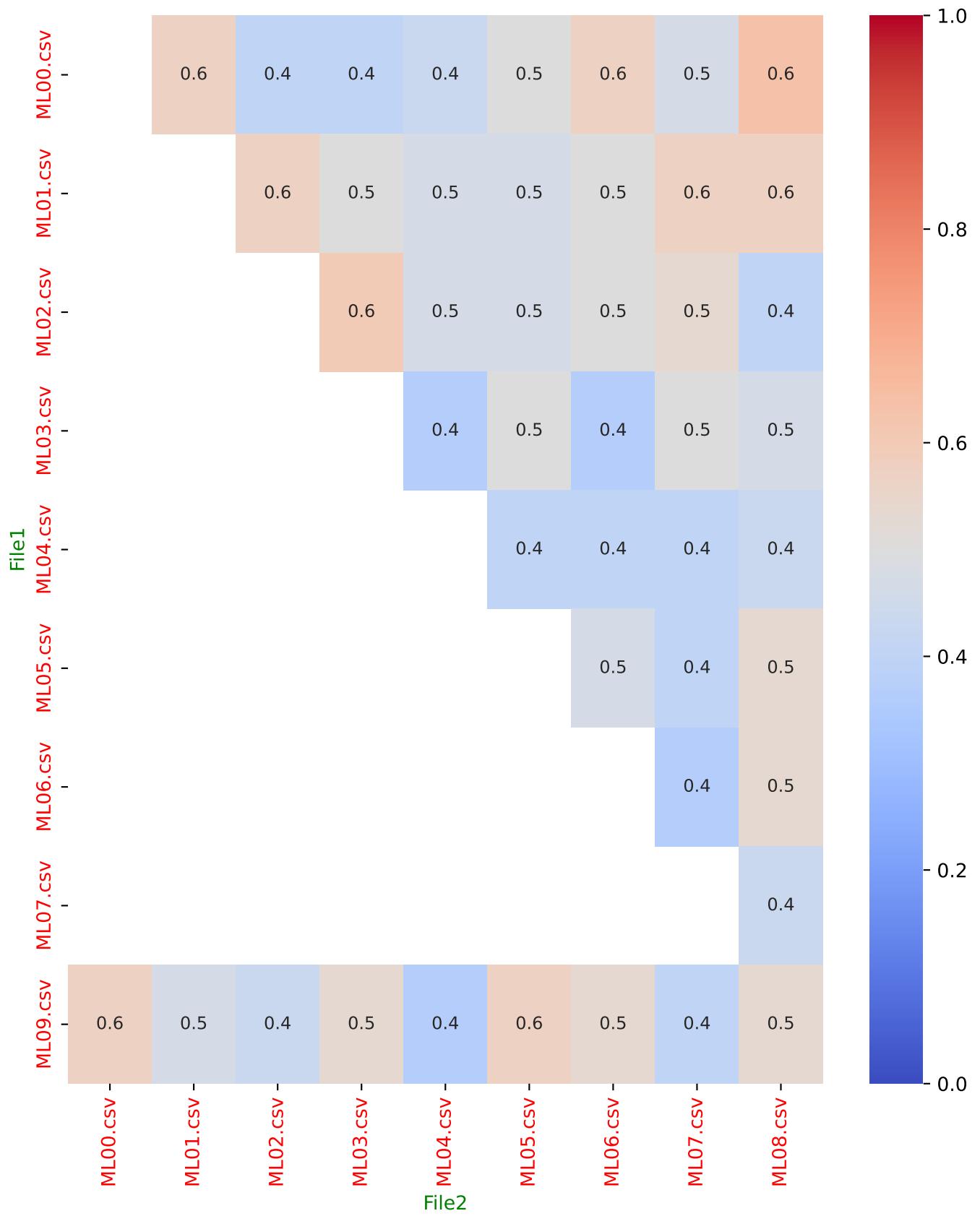


Implementation Number 99

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

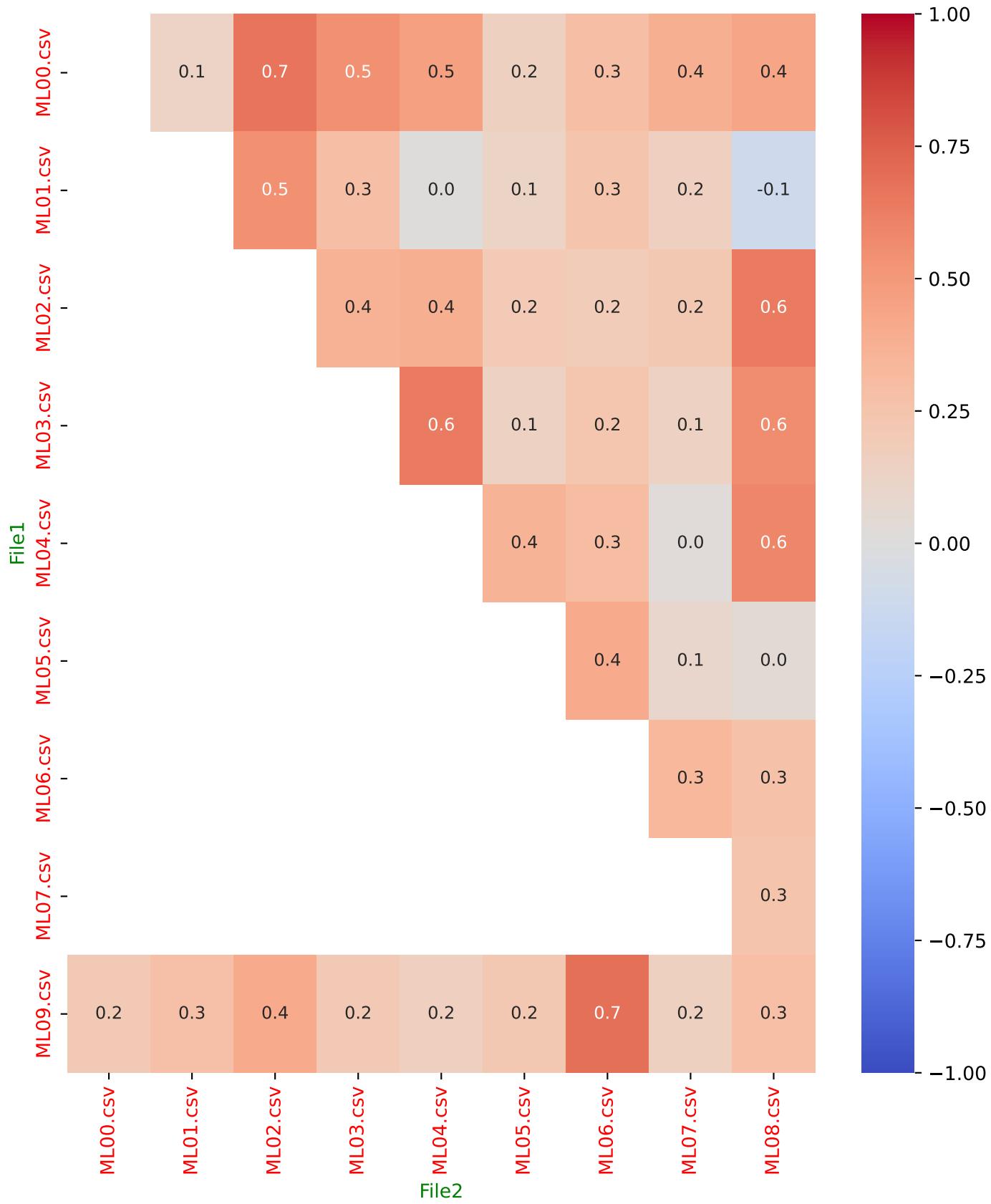


Implementation Number 99

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 100

Similarity, Correlation and Distribution Tests

Mode: Machine Learning
Metric: Betweennesscentrality

Top Nodes: 50
Number of Files: 10

Implementation Number 100

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 100

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

Implementation Number 100

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
100.00 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
090.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 08, 09
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
050.00 %	BAKON_604	00, 02, 04, 07, 08
040.00 %	BAKON_239	00, 03, 04, 07
090.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 09
050.00 %	BAKON_450	00, 04, 05, 06, 09
070.00 %	BAKON_571	00, 01, 04, 06, 07, 08, 09
060.00 %	BAKON_098	00, 01, 02, 07, 08, 09
090.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09
050.00 %	BAKON_343	00, 01, 04, 07, 09
090.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
070.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09
100.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
040.00 %	BAKON_293	00, 02, 05, 06
100.00 %	BAKON_570	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
020.00 %	BAKON_475	00, 06
100.00 %	BAKON_337	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
080.00 %	BAKON_374	00, 01, 02, 04, 05, 06, 07, 08
080.00 %	BAKON_344	00, 01, 03, 04, 05, 07, 08, 09

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Global node Presence Mean (Weighted): 59.44%

Implementation Number 100

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.3333	0.5000	0.0217	0.3907
ML09.csv	ML01.csv	0.4085	0.5800	0.5487	0.2069
ML09.csv	ML02.csv	0.3514	0.5200	0.0678	0.6040
ML09.csv	ML03.csv	0.4085	0.5800	0.3959	0.2759
ML09.csv	ML04.csv	0.3333	0.5000	0.9667	0.2571
ML09.csv	ML05.csv	0.3514	0.5200	0.2719	0.2404
ML09.csv	ML06.csv	0.4925	0.6600	0.9667	0.4190
ML09.csv	ML07.csv	0.3333	0.5000	0.7166	0.2972
ML09.csv	ML08.csv	0.4085	0.5800	0.1786	0.2217
ML00.csv	ML01.csv	0.4493	0.6200	0.2719	0.0904
ML00.csv	ML02.csv	0.3699	0.5400	0.7166	0.5670
ML00.csv	ML03.csv	0.4286	0.6000	0.1786	0.2762
ML00.csv	ML04.csv	0.3514	0.5200	0.1786	0.1849
ML00.csv	ML05.csv	0.3333	0.5000	0.0678	0.3038
ML00.csv	ML06.csv	0.4493	0.6200	0.0217	0.3445
ML00.csv	ML07.csv	0.4493	0.6200	0.0217	0.2110
ML00.csv	ML08.csv	0.4085	0.5800	0.2719	0.4828
ML01.csv	ML02.csv	0.3699	0.5400	0.7166	0.4245
ML01.csv	ML03.csv	0.3699	0.5400	0.8693	0.3048
ML01.csv	ML04.csv	0.3333	0.5000	0.5487	0.2838
ML01.csv	ML05.csv	0.3699	0.5400	0.8693	0.1852
ML01.csv	ML06.csv	0.4706	0.6400	0.3959	0.3451
ML01.csv	ML07.csv	0.4085	0.5800	0.3959	0.2737
ML01.csv	ML08.csv	0.4286	0.6000	0.8693	0.3241
ML02.csv	ML03.csv	0.4493	0.6200	0.5487	0.4306
ML02.csv	ML04.csv	0.3333	0.5000	0.2719	0.2638
ML02.csv	ML05.csv	0.3889	0.5600	0.5487	0.2993
ML02.csv	ML06.csv	0.3889	0.5600	0.1124	0.3364
ML02.csv	ML07.csv	0.2987	0.4600	0.1124	0.3327
ML02.csv	ML08.csv	0.3699	0.5400	0.8693	0.3937
ML03.csv	ML04.csv	0.3699	0.5400	0.8693	-0.0085
ML03.csv	ML05.csv	0.4706	0.6400	0.9667	0.2765
ML03.csv	ML06.csv	0.3889	0.5600	0.5487	0.1376
ML03.csv	ML07.csv	0.3514	0.5200	0.5487	0.3969
ML03.csv	ML08.csv	0.4085	0.5800	0.9977	0.4680

Implementation Number 100

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.3333	0.5000	0.5487	0.2504
ML04.csv	ML06.csv	0.3158	0.4800	0.8693	0.3673
ML04.csv	ML07.csv	0.3699	0.5400	0.8693	0.2114
ML04.csv	ML08.csv	0.3333	0.5000	0.5487	0.2533
ML05.csv	ML06.csv	0.3158	0.4800	0.5487	0.4348
ML05.csv	ML07.csv	0.2987	0.4600	0.2719	0.1067
ML05.csv	ML08.csv	0.3514	0.5200	0.9977	0.2096
ML06.csv	ML07.csv	0.4085	0.5800	0.7166	0.1901
ML06.csv	ML08.csv	0.4286	0.6000	0.2719	0.2460
ML07.csv	ML08.csv	0.3333	0.5000	0.2719	0.2067

Global Metrics:

Mean Jaccard Coefficient (J): 0.3804

Fleiss' Kappa Agreement Index (κ_F): 0.2873

Mean KS Distance Between Pairs (D): 0.1733

Mean p-value for KS Test Pairs: 0.5075

Mean KS Distance for Multiple Samples (D_{mult}): 0.1172

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5653

Mean Kendall Tau ($\bar{\tau}$): 0.2959

Median Kendall Tau ($\tilde{\tau}$): 0.2765

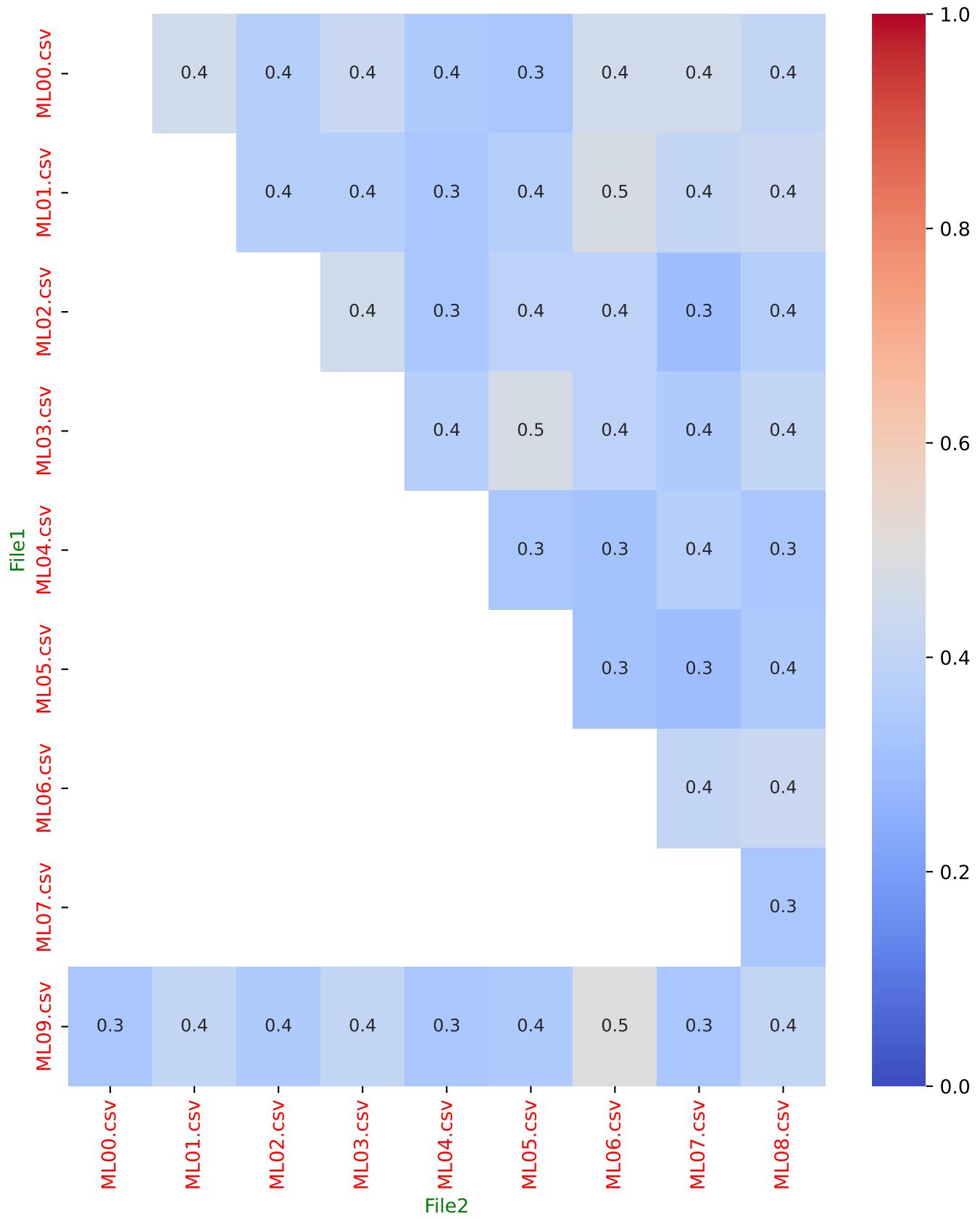
Percentage of Pairs with $\tau > 0$: 97.78%

Implementation Number 100

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

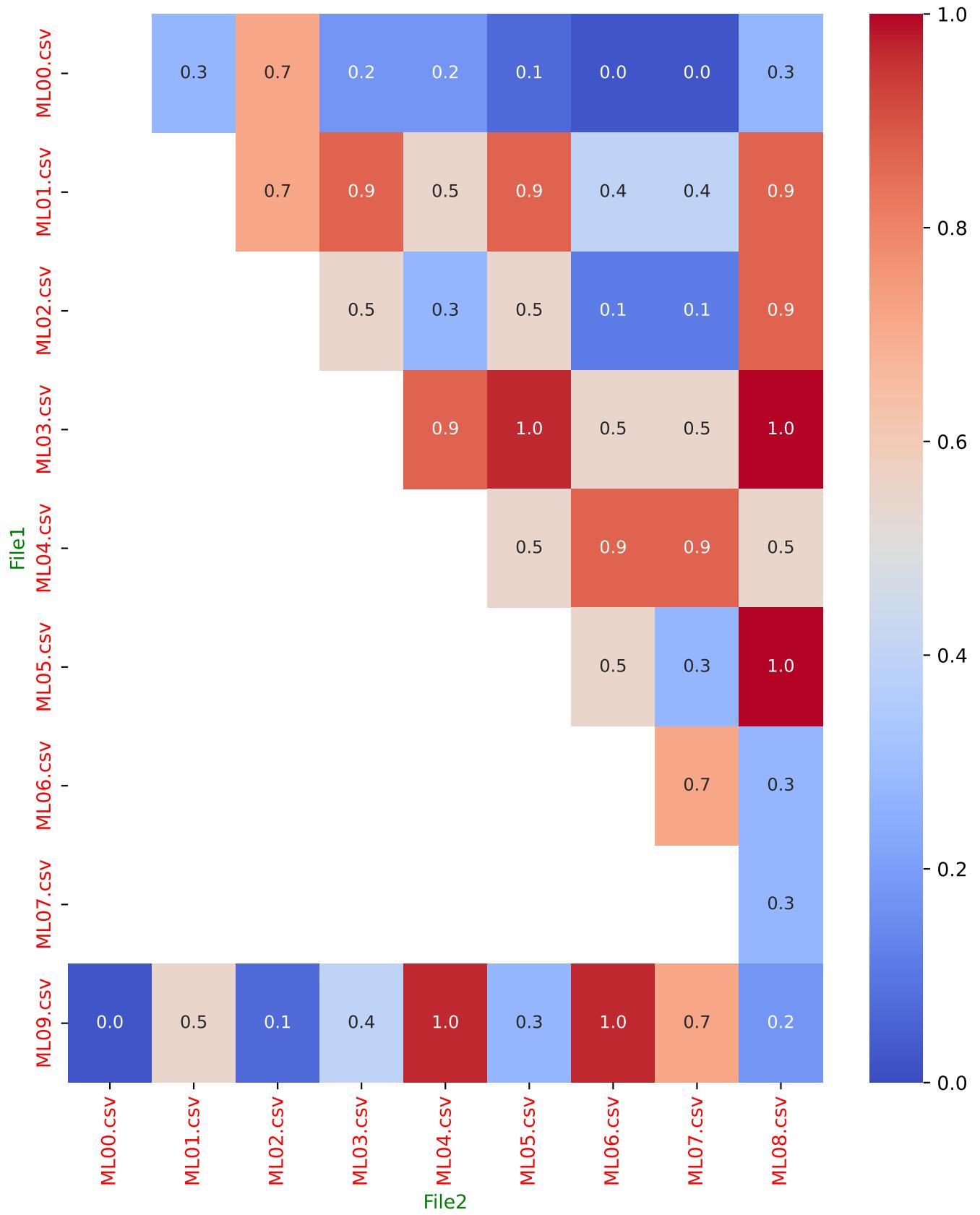


Implementation Number 100

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

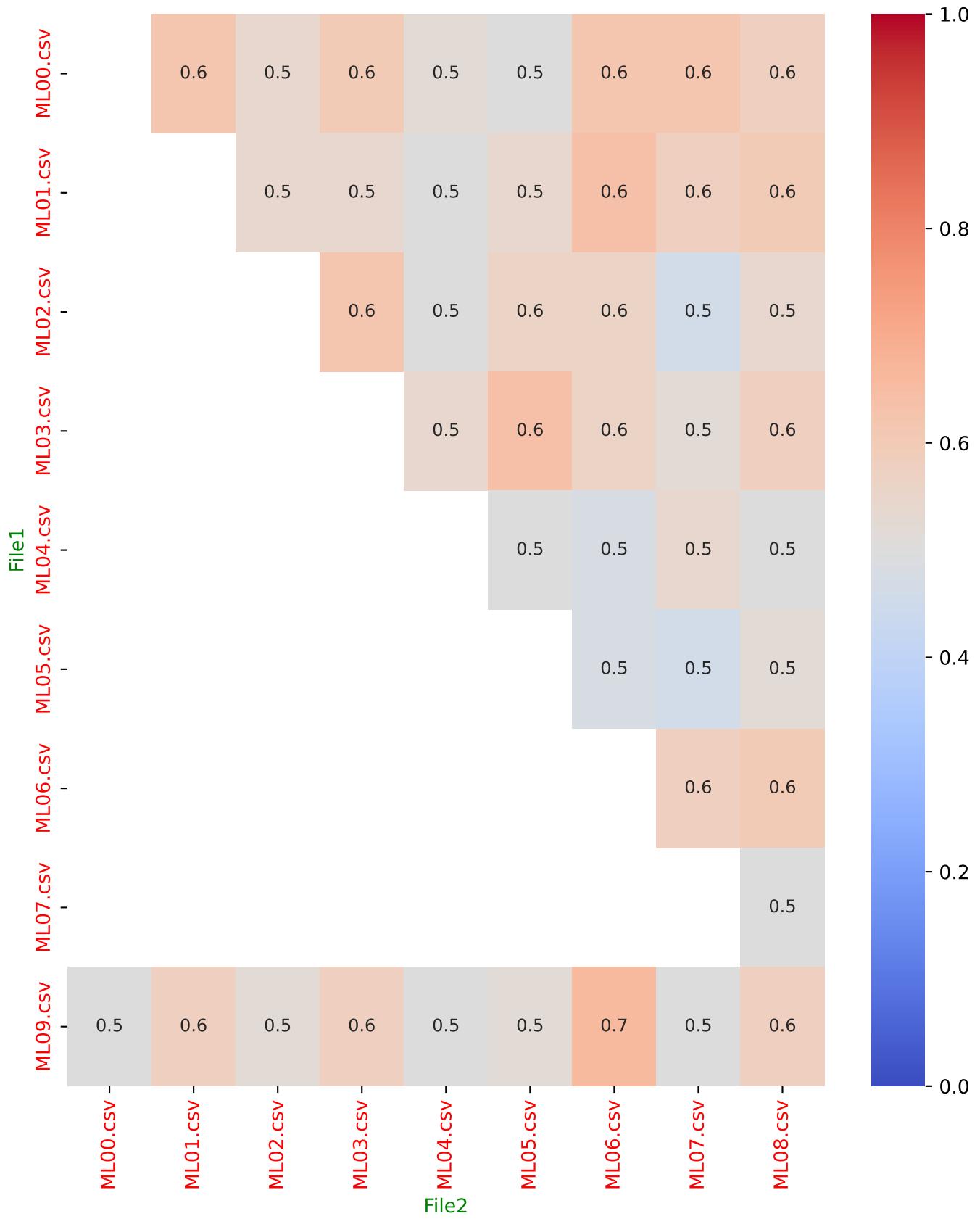


Implementation Number 100

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Betweennesscentrality

Heatmap of Overlap Coefficient

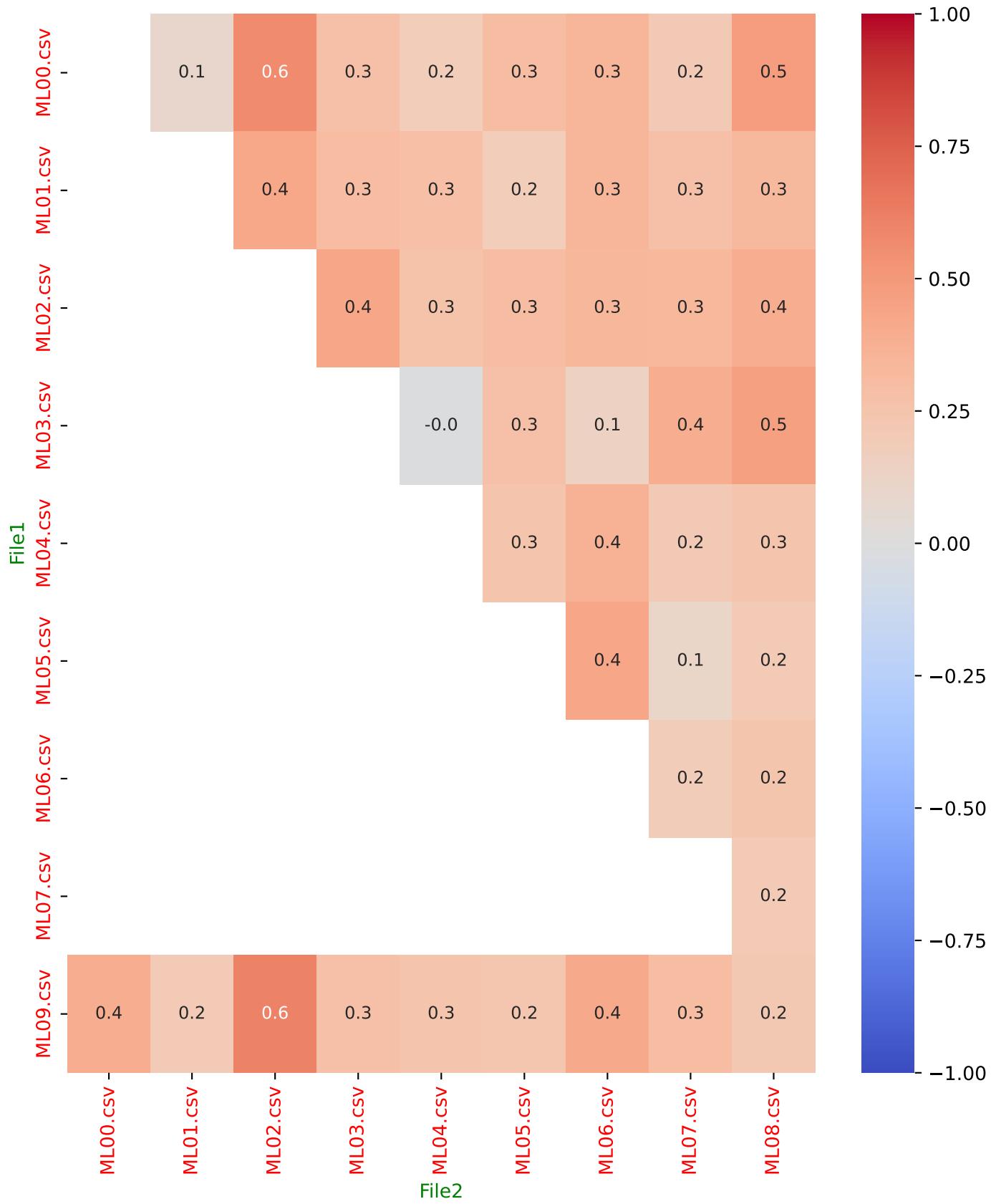


Implementation Number 100

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 101

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 100
Number of Files: 10**

Implementation Number 101

Parameters: Top_N = 100

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 101

Parameters: Top_N = 100

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

Implementation Number 101

Parameters: Top_N = 100

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
100.00 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_604	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
060.00 %	BAKON_239	00, 02, 03, 04, 06, 07
100.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_450	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
080.00 %	BAKON_571	00, 01, 03, 04, 06, 07, 08, 09
090.00 %	BAKON_098	00, 01, 02, 03, 04, 05, 07, 08, 09
090.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09
060.00 %	BAKON_343	00, 01, 02, 04, 07, 09
090.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
070.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09
100.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
060.00 %	BAKON_293	00, 02, 04, 05, 06, 09
100.00 %	BAKON_570	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
020.00 %	BAKON_475	00, 06
100.00 %	BAKON_337	00, 01, 02, 03, 04, 05, 06, 07, 08, 09

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Global node Presence Mean (Weighted): 67.38%

Implementation Number 101

Parameters: Top_N = 100

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.4184	0.5900	0.1548	0.3578
ML09.csv	ML01.csv	0.5267	0.6900	0.9084	0.2920
ML09.csv	ML02.csv	0.4388	0.6100	0.2819	0.3088
ML09.csv	ML03.csv	0.4388	0.6100	0.3682	0.3366
ML09.csv	ML04.csv	0.4184	0.5900	0.9684	0.3625
ML09.csv	ML05.csv	0.4706	0.6400	0.2112	0.3359
ML09.csv	ML06.csv	0.5038	0.6700	0.9684	0.5012
ML09.csv	ML07.csv	0.4184	0.5900	0.8154	0.2736
ML09.csv	ML08.csv	0.4706	0.6400	0.3682	0.3226
ML00.csv	ML01.csv	0.5385	0.7000	0.1548	0.3090
ML00.csv	ML02.csv	0.4706	0.6400	0.5830	0.2877
ML00.csv	ML03.csv	0.4493	0.6200	0.5830	0.2782
ML00.csv	ML04.csv	0.4184	0.5900	0.5830	0.2888
ML00.csv	ML05.csv	0.3986	0.5700	0.2819	0.2470
ML00.csv	ML06.csv	0.5152	0.6800	0.2112	0.3649
ML00.csv	ML07.csv	0.4706	0.6400	0.0156	0.3200
ML00.csv	ML08.csv	0.4706	0.6400	0.7021	0.3746
ML01.csv	ML02.csv	0.5038	0.6700	0.7021	0.3082
ML01.csv	ML03.csv	0.4599	0.6300	0.2112	0.2376
ML01.csv	ML04.csv	0.5038	0.6700	0.9084	0.2280
ML01.csv	ML05.csv	0.4815	0.6500	0.1548	0.3319
ML01.csv	ML06.csv	0.6129	0.7600	0.5830	0.3243
ML01.csv	ML07.csv	0.5385	0.7000	0.2819	0.2829
ML01.csv	ML08.csv	0.5504	0.7100	0.2819	0.3632
ML02.csv	ML03.csv	0.4493	0.6200	0.5830	0.5021
ML02.csv	ML04.csv	0.4599	0.6300	0.5830	0.3710
ML02.csv	ML05.csv	0.4388	0.6100	0.1548	0.3357
ML02.csv	ML06.csv	0.5625	0.7200	0.2819	0.4307
ML02.csv	ML07.csv	0.4706	0.6400	0.0539	0.2547
ML02.csv	ML08.csv	0.5152	0.6800	0.5830	0.3176
ML03.csv	ML04.csv	0.4184	0.5900	0.5830	0.2327
ML03.csv	ML05.csv	0.4815	0.6500	0.8154	0.4362
ML03.csv	ML06.csv	0.5152	0.6800	0.4695	0.2784
ML03.csv	ML07.csv	0.4184	0.5900	0.2819	0.3788
ML03.csv	ML08.csv	0.4286	0.6000	0.9942	0.3797

Implementation Number 101

Parameters: Top_N = 100

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.4286	0.6000	0.5830	0.3663
ML04.csv	ML06.csv	0.4925	0.6600	0.9684	0.3065
ML04.csv	ML07.csv	0.3986	0.5700	0.4695	0.4031
ML04.csv	ML08.csv	0.4388	0.6100	0.5830	0.3121
ML05.csv	ML06.csv	0.4925	0.6600	0.8154	0.3088
ML05.csv	ML07.csv	0.4184	0.5900	0.4695	0.2345
ML05.csv	ML08.csv	0.4286	0.6000	0.4695	0.3464
ML06.csv	ML07.csv	0.4815	0.6500	0.9084	0.2487
ML06.csv	ML08.csv	0.4925	0.6600	0.4695	0.3367
ML07.csv	ML08.csv	0.4085	0.5800	0.2112	0.3231

Global Metrics:

Mean Jaccard Coefficient (J): 0.4695

Fleiss' Kappa Agreement Index (κ_F): 0.3609

Mean KS Distance Between Pairs (D): 0.1207

Mean p-value for KS Test Pairs: 0.5025

Mean KS Distance for Multiple Samples (D_{mult}): 0.0828

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5611

Mean Kendall Tau ($\bar{\tau}$): 0.3276

Median Kendall Tau ($\tilde{\tau}$): 0.3226

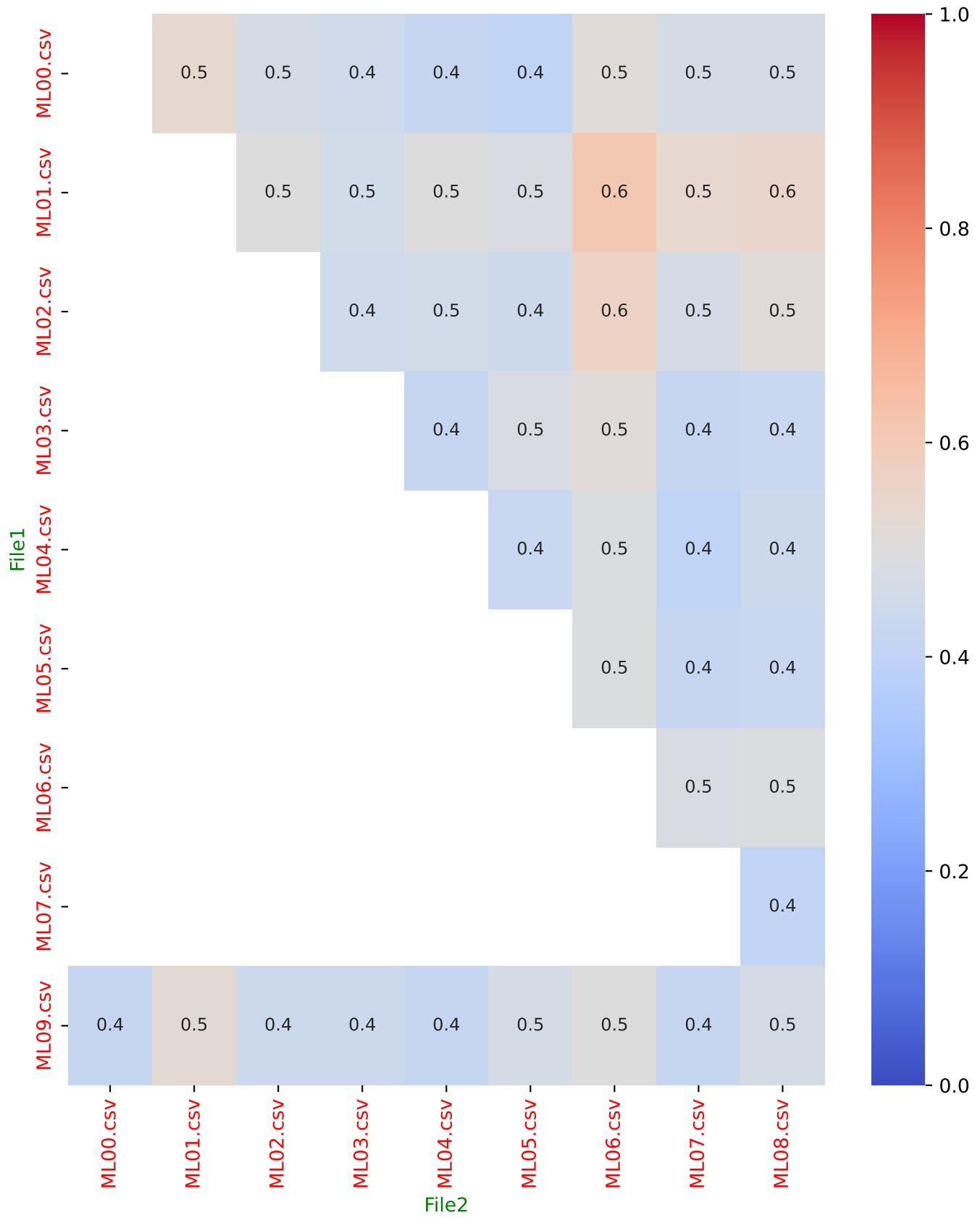
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 101

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

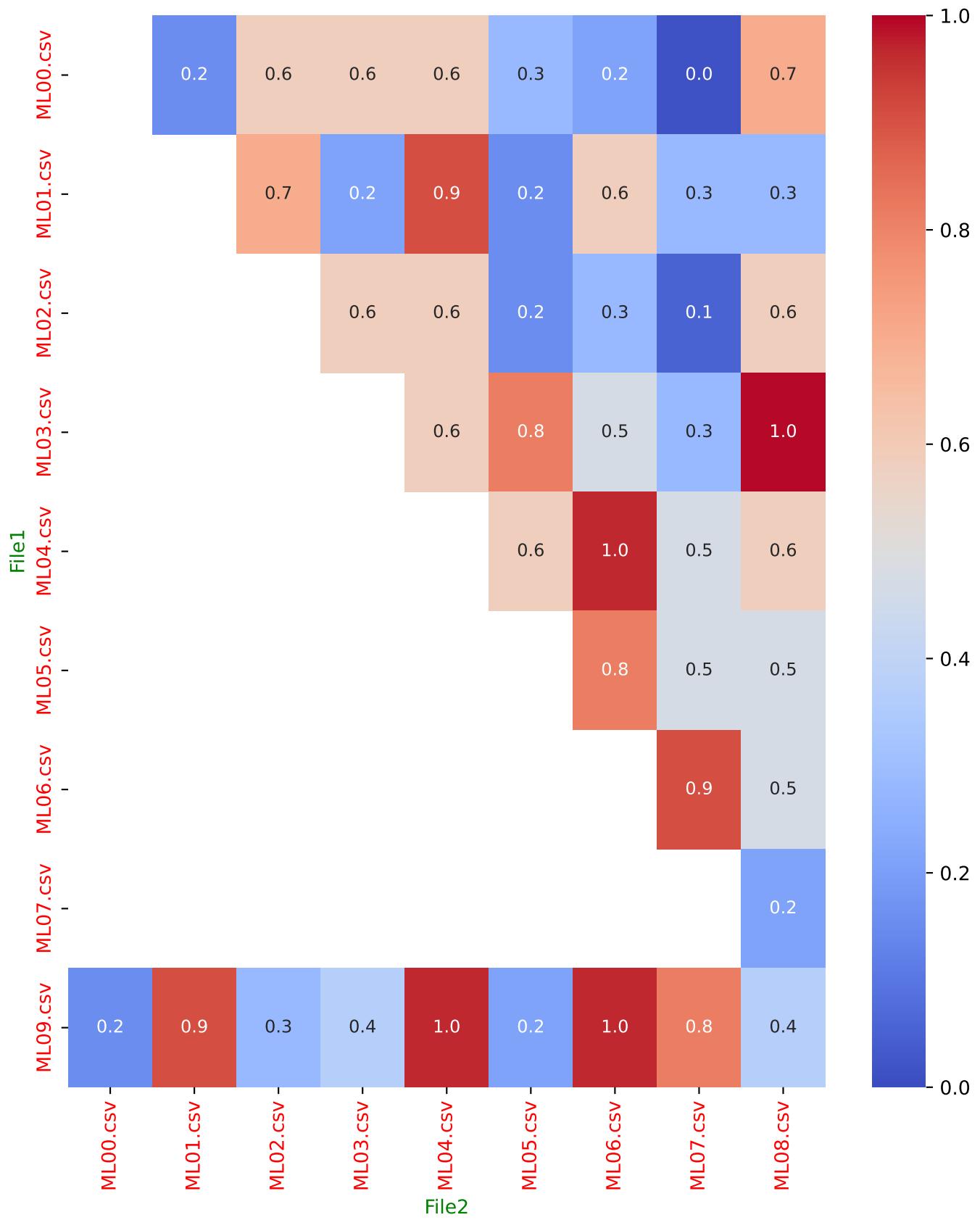


Implementation Number 101

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Betweennesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

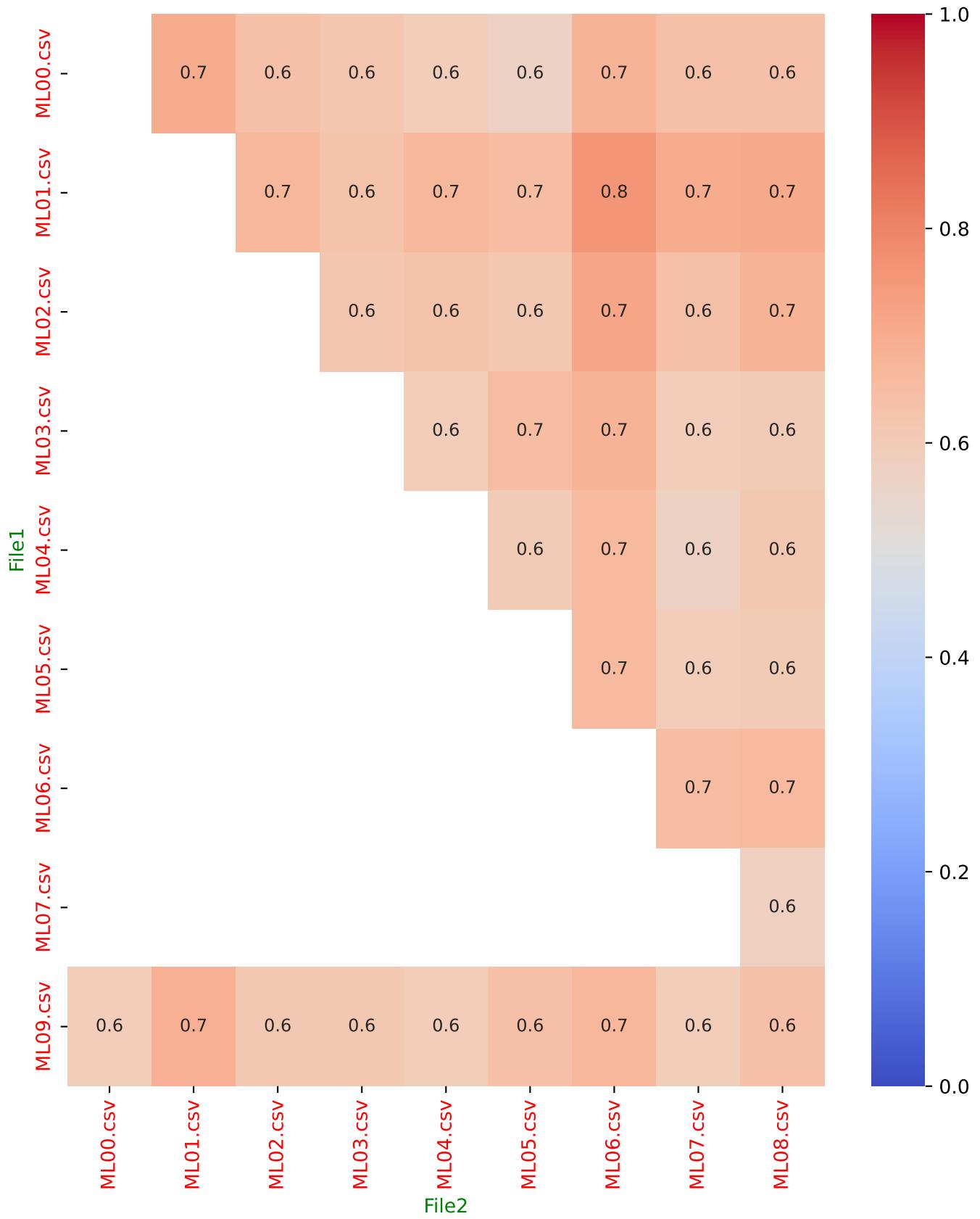


Implementation Number 101

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenness centrality

Heatmap of Overlap Coefficient

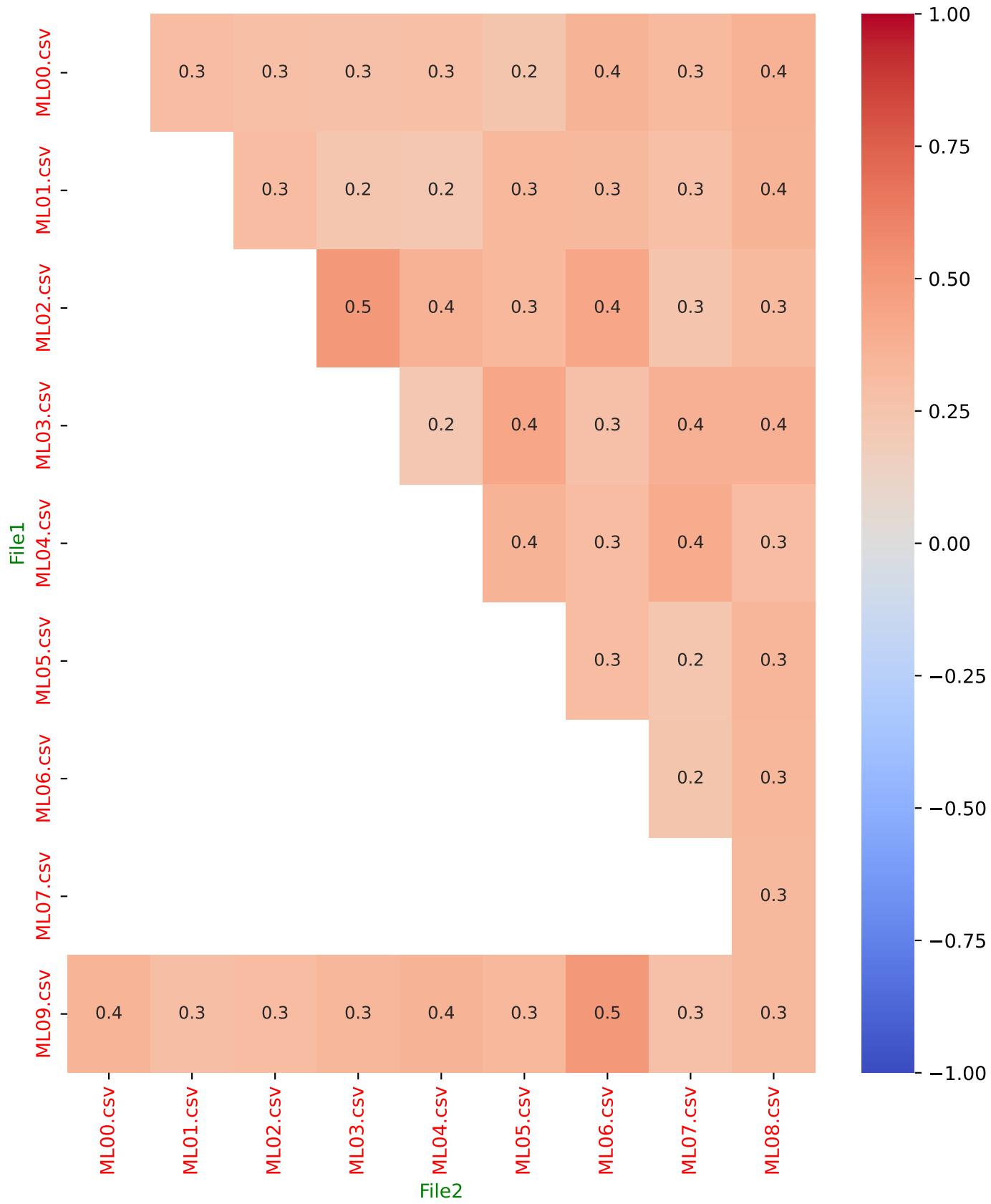


Implementation Number 101

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 102

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 200
Number of Files: 10**

Implementation Number 102

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 102

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

Implementation Number 102

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
100.00 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_604	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
070.00 %	BAKON_239	00, 01, 02, 03, 04, 06, 07
100.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_450	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_571	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_098	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
060.00 %	BAKON_343	00, 01, 02, 04, 07, 09
090.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
080.00 %	BAKON_301	00, 01, 02, 04, 05, 06, 07, 09
100.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
060.00 %	BAKON_293	00, 02, 04, 05, 06, 09

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Global node Presence Mean (Weighted): 75.89%

Implementation Number 102

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.5326	0.6950	0.5453	0.3664
ML09.csv	ML01.csv	0.5873	0.7400	0.6284	0.3863
ML09.csv	ML02.csv	0.5686	0.7250	0.3281	0.3429
ML09.csv	ML03.csv	0.5873	0.7400	0.7934	0.3943
ML09.csv	ML04.csv	0.5810	0.7350	0.5453	0.2899
ML09.csv	ML05.csv	0.5686	0.7250	0.0680	0.4394
ML09.csv	ML06.csv	0.6064	0.7550	0.2705	0.5025
ML09.csv	ML07.csv	0.5810	0.7350	0.9647	0.4224
ML09.csv	ML08.csv	0.5444	0.7050	0.2205	0.3936
ML00.csv	ML01.csv	0.6064	0.7550	0.1123	0.4338
ML00.csv	ML02.csv	0.5209	0.6850	0.7934	0.3640
ML00.csv	ML03.csv	0.6129	0.7600	0.9238	0.4193
ML00.csv	ML04.csv	0.5564	0.7150	0.9238	0.3800
ML00.csv	ML05.csv	0.5152	0.6800	0.5453	0.3228
ML00.csv	ML06.csv	0.5748	0.7300	0.6284	0.4819
ML00.csv	ML07.csv	0.5936	0.7450	0.1779	0.3655
ML00.csv	ML08.csv	0.5748	0.7300	0.7126	0.4258
ML01.csv	ML02.csv	0.5625	0.7200	0.0680	0.3658
ML01.csv	ML03.csv	0.6260	0.7700	0.0680	0.3813
ML01.csv	ML04.csv	0.5810	0.7350	0.0680	0.4194
ML01.csv	ML05.csv	0.6260	0.7700	0.0021	0.4295
ML01.csv	ML06.csv	0.6393	0.7800	0.0297	0.5458
ML01.csv	ML07.csv	0.6327	0.7750	0.2205	0.4024
ML01.csv	ML08.csv	0.5564	0.7150	0.0163	0.4326
ML02.csv	ML03.csv	0.5873	0.7400	0.5453	0.3982
ML02.csv	ML04.csv	0.5444	0.7050	0.9238	0.3894
ML02.csv	ML05.csv	0.5564	0.7150	0.4663	0.4187
ML02.csv	ML06.csv	0.5686	0.7250	0.7126	0.4673
ML02.csv	ML07.csv	0.5625	0.7200	0.3281	0.3269
ML02.csv	ML08.csv	0.5686	0.7250	0.6284	0.4000
ML03.csv	ML04.csv	0.5873	0.7400	0.5453	0.3527
ML03.csv	ML05.csv	0.6194	0.7650	0.3281	0.4385
ML03.csv	ML06.csv	0.6129	0.7600	0.4663	0.4192
ML03.csv	ML07.csv	0.6129	0.7600	0.7126	0.3916
ML03.csv	ML08.csv	0.5873	0.7400	0.3281	0.3903

Implementation Number 102

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.5385	0.7000	0.2705	0.3399
ML04.csv	ML06.csv	0.6064	0.7550	0.8655	0.4236
ML04.csv	ML07.csv	0.5873	0.7400	0.8655	0.3622
ML04.csv	ML08.csv	0.5267	0.6900	0.4663	0.3483
ML05.csv	ML06.csv	0.6000	0.7500	0.9238	0.4323
ML05.csv	ML07.csv	0.5625	0.7200	0.2705	0.3689
ML05.csv	ML08.csv	0.5038	0.6700	0.7126	0.3320
ML06.csv	ML07.csv	0.6327	0.7750	0.6284	0.4197
ML06.csv	ML08.csv	0.5504	0.7100	0.8655	0.3833
ML07.csv	ML08.csv	0.5625	0.7200	0.4663	0.2956

Global Metrics:

Mean Jaccard Coefficient (J): 0.5781

Fleiss' Kappa Agreement Index (κ_F): 0.3930

Mean KS Distance Between Pairs (D): 0.0894

Mean p-value for KS Test Pairs: 0.4883

Mean KS Distance for Multiple Samples (D_{mult}): 0.0608

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5635

Mean Kendall Tau ($\bar{\tau}$): 0.3957

Median Kendall Tau ($\tilde{\tau}$): 0.3936

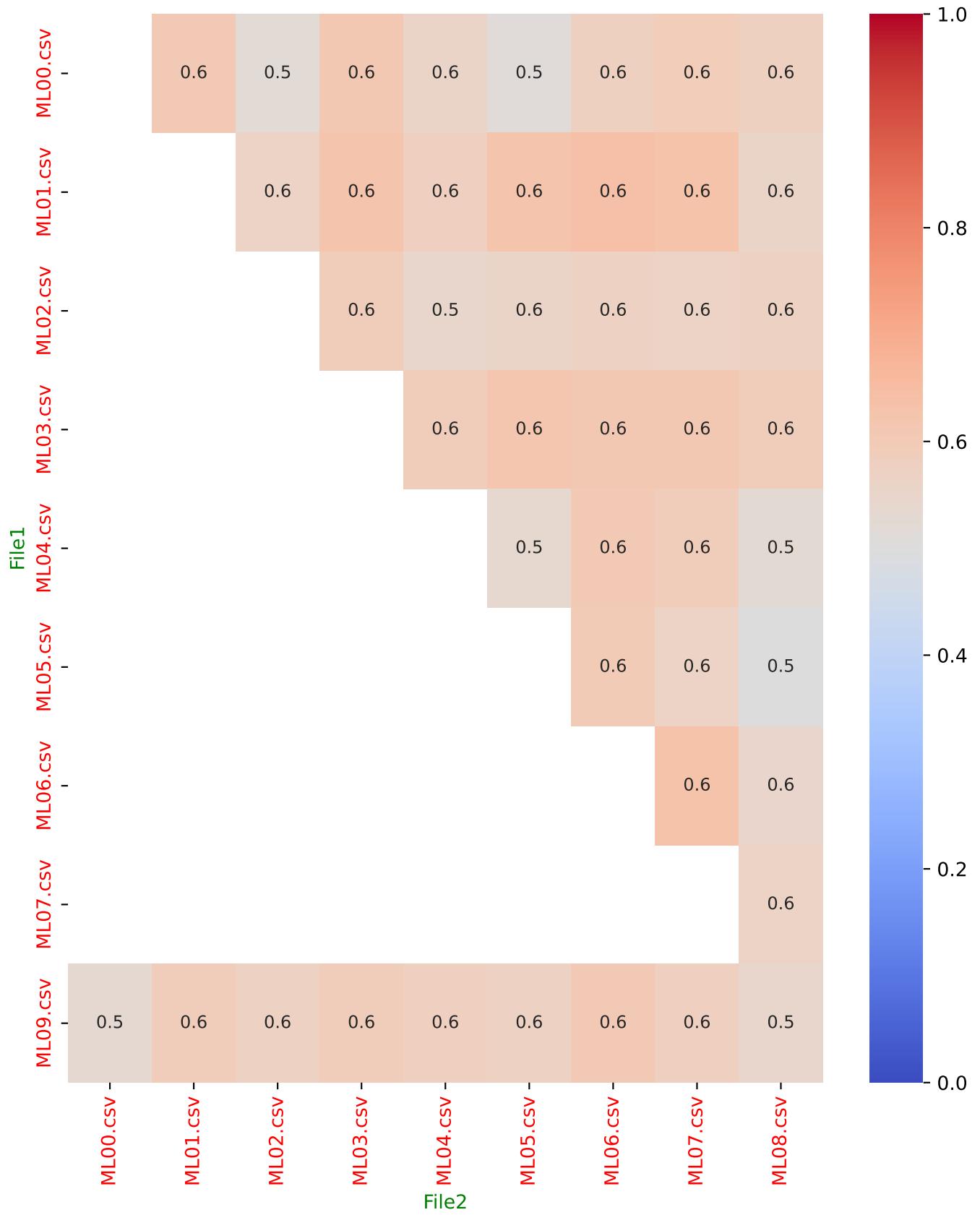
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 102

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

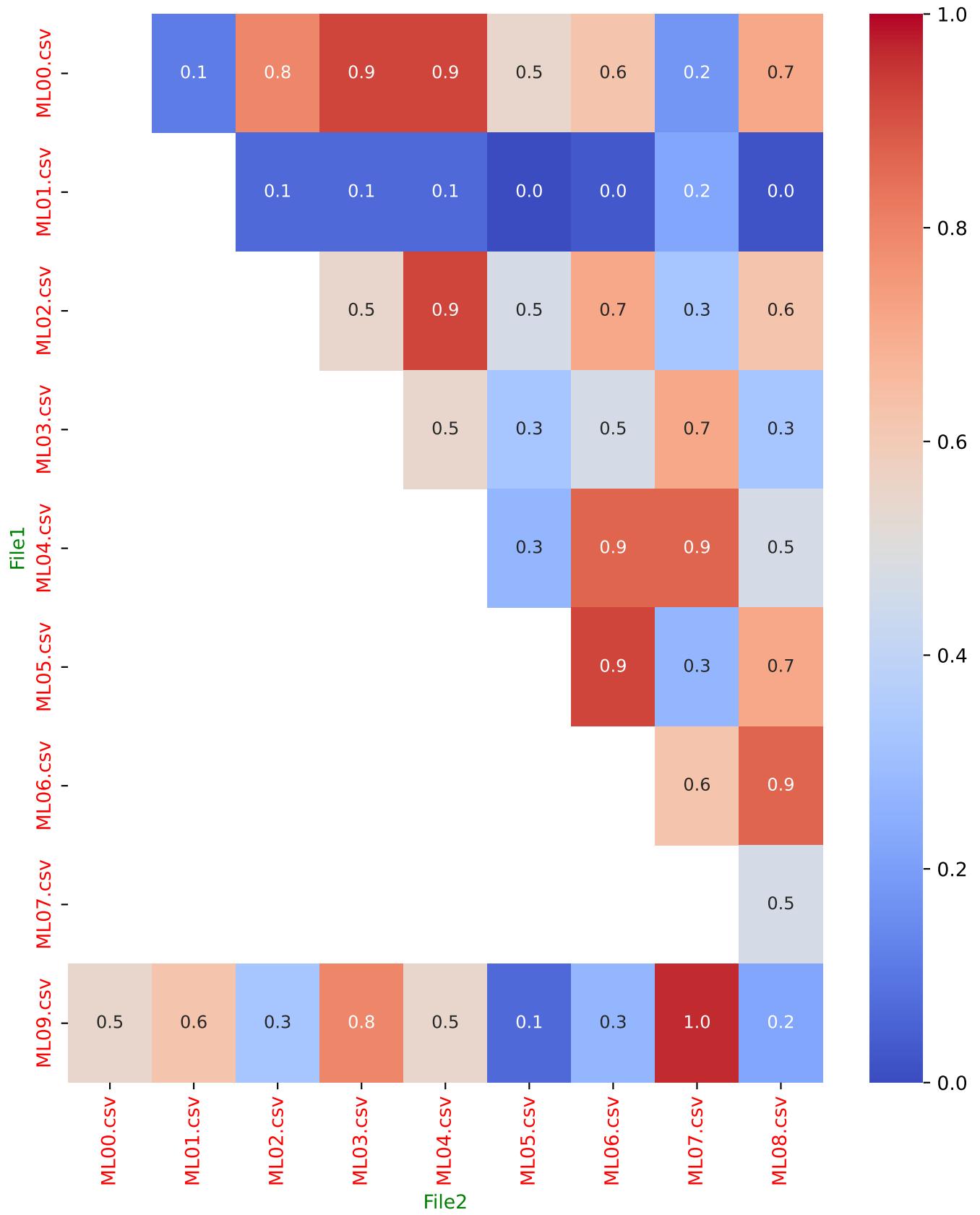


Implementation Number 102

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

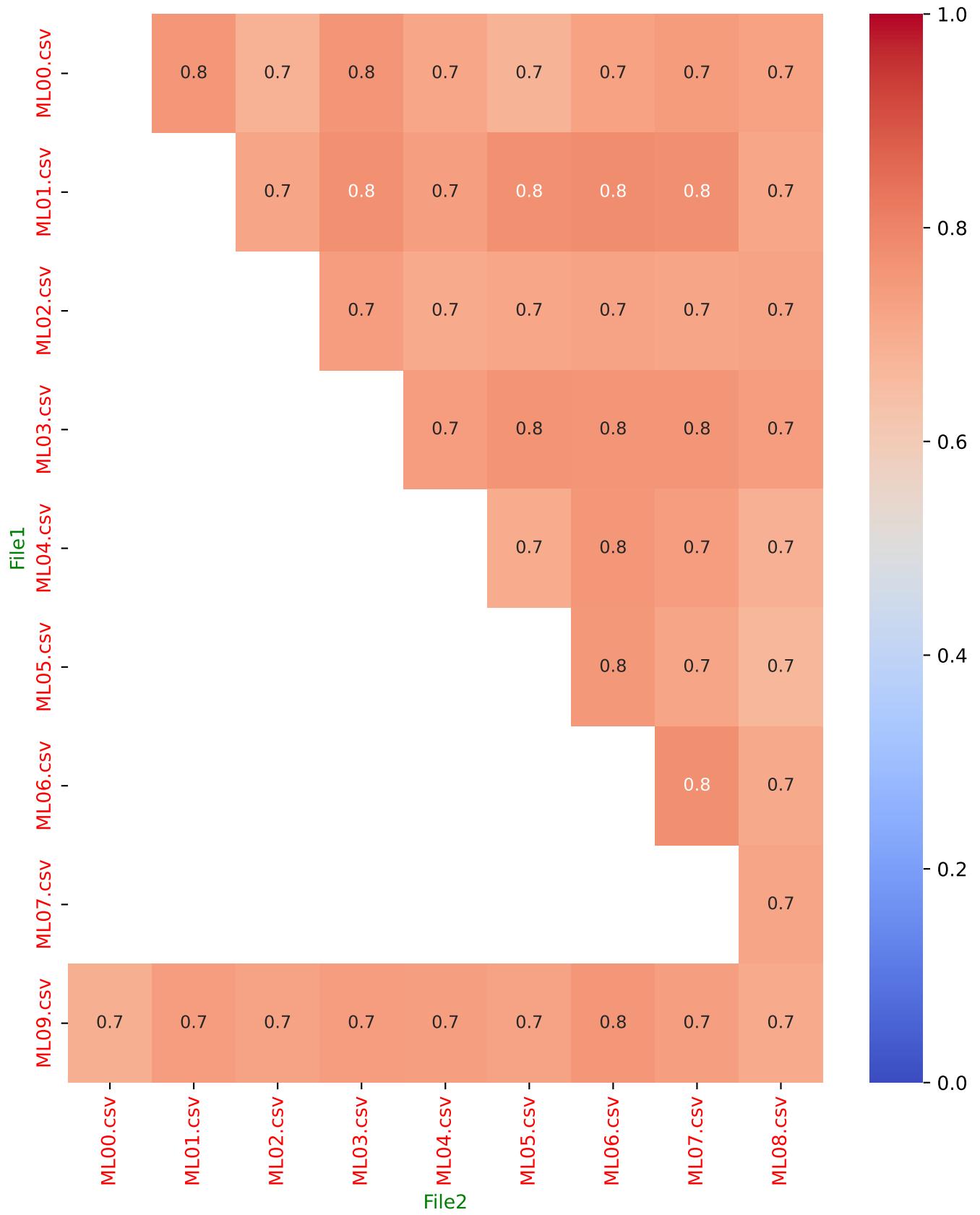


Implementation Number 102

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

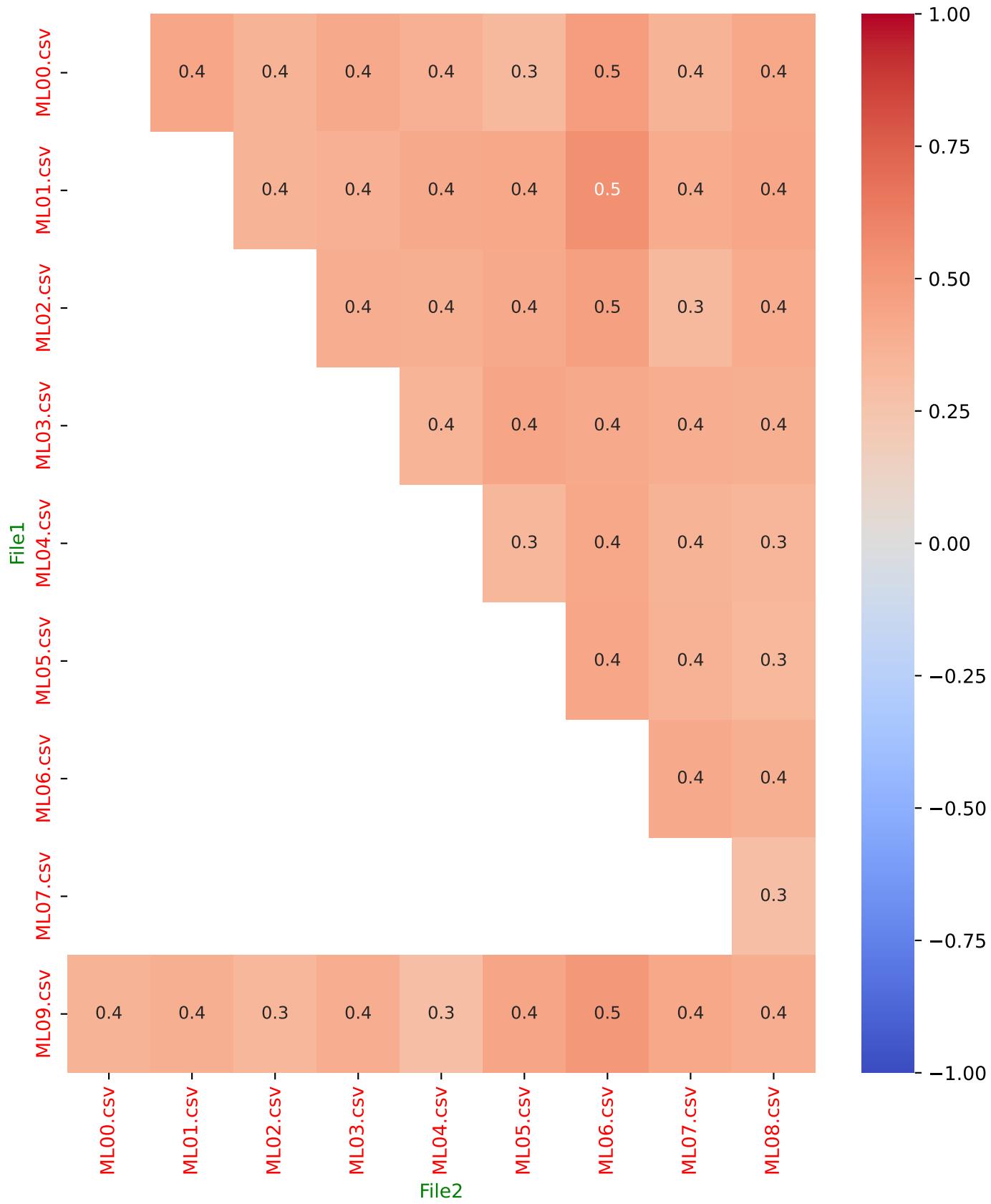


Implementation Number 102

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Betweenness centrality

Heatmap of Kendall Tau Correlation



Implementation 103

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 10
Number of Files: 10**

Implementation Number 103

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 103

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

Implementation Number 103

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
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% Presence	Label	Files
010.00 %	BAKON_615	00
050.00 %	BAKON_406	00, 01, 02, 03, 08
010.00 %	BAKON_236	00
010.00 %	BAKON_509	00
020.00 %	BAKON_124	00, 04
010.00 %	BAKON_259	00
020.00 %	BAKON_595	00, 03
010.00 %	BAKON_440	00
020.00 %	BAKON_180	00, 01
010.00 %	BAKON_186	00
040.00 %	BAKON_366	01, 02, 05, 06
010.00 %	BAKON_093	01
010.00 %	BAKON_149	01
070.00 %	BAKON_363	01, 02, 03, 04, 05, 06, 08
020.00 %	BAKON_219	01, 07
010.00 %	BAKON_477	01
020.00 %	BAKON_555	01, 09
040.00 %	BAKON_164	01, 02, 06, 09
010.00 %	BAKON_262	02
020.00 %	BAKON_006	02, 06
010.00 %	BAKON_286	02
020.00 %	BAKON_148	02, 05
020.00 %	BAKON_283	02, 08
020.00 %	BAKON_293	02, 09
010.00 %	BAKON_318	03

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Global node Presence Mean (Weighted): 22.00%

Implementation Number 103

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.1111	0.2000	0.0524	1.0000
ML09.csv	ML01.csv	0.0526	0.1000	0.0524	nan
ML09.csv	ML02.csv	0.1111	0.2000	0.0021	-1.0000
ML09.csv	ML03.csv	0.0526	0.1000	0.1678	nan
ML09.csv	ML04.csv	0.0000	0.0000	0.1678	nan
ML09.csv	ML05.csv	0.0000	0.0000	0.1678	nan
ML09.csv	ML06.csv	0.0000	0.0000	0.0524	nan
ML09.csv	ML07.csv	0.0526	0.1000	0.7869	nan
ML09.csv	ML08.csv	0.0000	0.0000	0.0123	nan
ML00.csv	ML01.csv	0.2500	0.4000	0.0021	0.6667
ML00.csv	ML02.csv	0.1111	0.2000	0.0002	-1.0000
ML00.csv	ML03.csv	0.0526	0.1000	0.1678	nan
ML00.csv	ML04.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML05.csv	0.1765	0.3000	0.0123	0.3333
ML00.csv	ML06.csv	0.0526	0.1000	0.4175	nan
ML00.csv	ML07.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML08.csv	0.1111	0.2000	0.4175	1.0000
ML01.csv	ML02.csv	0.1111	0.2000	0.1678	1.0000
ML01.csv	ML03.csv	0.0526	0.1000	0.0021	nan
ML01.csv	ML04.csv	0.1765	0.3000	0.0021	0.3333
ML01.csv	ML05.csv	0.2500	0.4000	0.7869	0.0000
ML01.csv	ML06.csv	0.0000	0.0000	0.0000	nan
ML01.csv	ML07.csv	0.1765	0.3000	0.0123	-1.0000
ML01.csv	ML08.csv	0.1111	0.2000	0.0002	1.0000
ML02.csv	ML03.csv	0.0526	0.1000	0.0000	nan
ML02.csv	ML04.csv	0.0526	0.1000	0.0002	nan
ML02.csv	ML05.csv	0.0526	0.1000	0.4175	nan
ML02.csv	ML06.csv	0.0526	0.1000	0.0000	nan
ML02.csv	ML07.csv	0.1111	0.2000	0.0021	-1.0000
ML02.csv	ML08.csv	0.0526	0.1000	0.0000	nan
ML03.csv	ML04.csv	0.1111	0.2000	0.1678	1.0000
ML03.csv	ML05.csv	0.0526	0.1000	0.0123	nan
ML03.csv	ML06.csv	0.0000	0.0000	0.7869	nan
ML03.csv	ML07.csv	0.1765	0.3000	0.4175	-0.3333
ML03.csv	ML08.csv	0.0000	0.0000	0.1678	nan

Implementation Number 103

Parameters: Top_N = 10

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.1111	0.2000	0.0123	1.0000
ML04.csv	ML06.csv	0.0000	0.0000	0.0524	nan
ML04.csv	ML07.csv	0.1111	0.2000	0.7869	1.0000
ML04.csv	ML08.csv	0.0000	0.0000	0.0524	nan
ML05.csv	ML06.csv	0.0000	0.0000	0.0002	nan
ML05.csv	ML07.csv	0.0526	0.1000	0.0123	nan
ML05.csv	ML08.csv	0.1111	0.2000	0.0021	1.0000
ML06.csv	ML07.csv	0.0526	0.1000	0.0524	nan
ML06.csv	ML08.csv	0.0000	0.0000	0.1678	nan
ML07.csv	ML08.csv	0.0000	0.0000	0.0524	nan

Global Metrics:

Mean Jaccard Coefficient (J): 0.0753

Fleiss' Kappa Agreement Index (κ_F): -0.0161

Mean KS Distance Between Pairs (D): 0.6356

Mean p-value for KS Test Pairs: 0.1545

Mean KS Distance for Multiple Samples (D_{mult}): 0.4160

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.2091

Mean Kendall Tau ($\bar{\tau}$): 0.3684

Median Kendall Tau ($\tilde{\tau}$): 1.0000

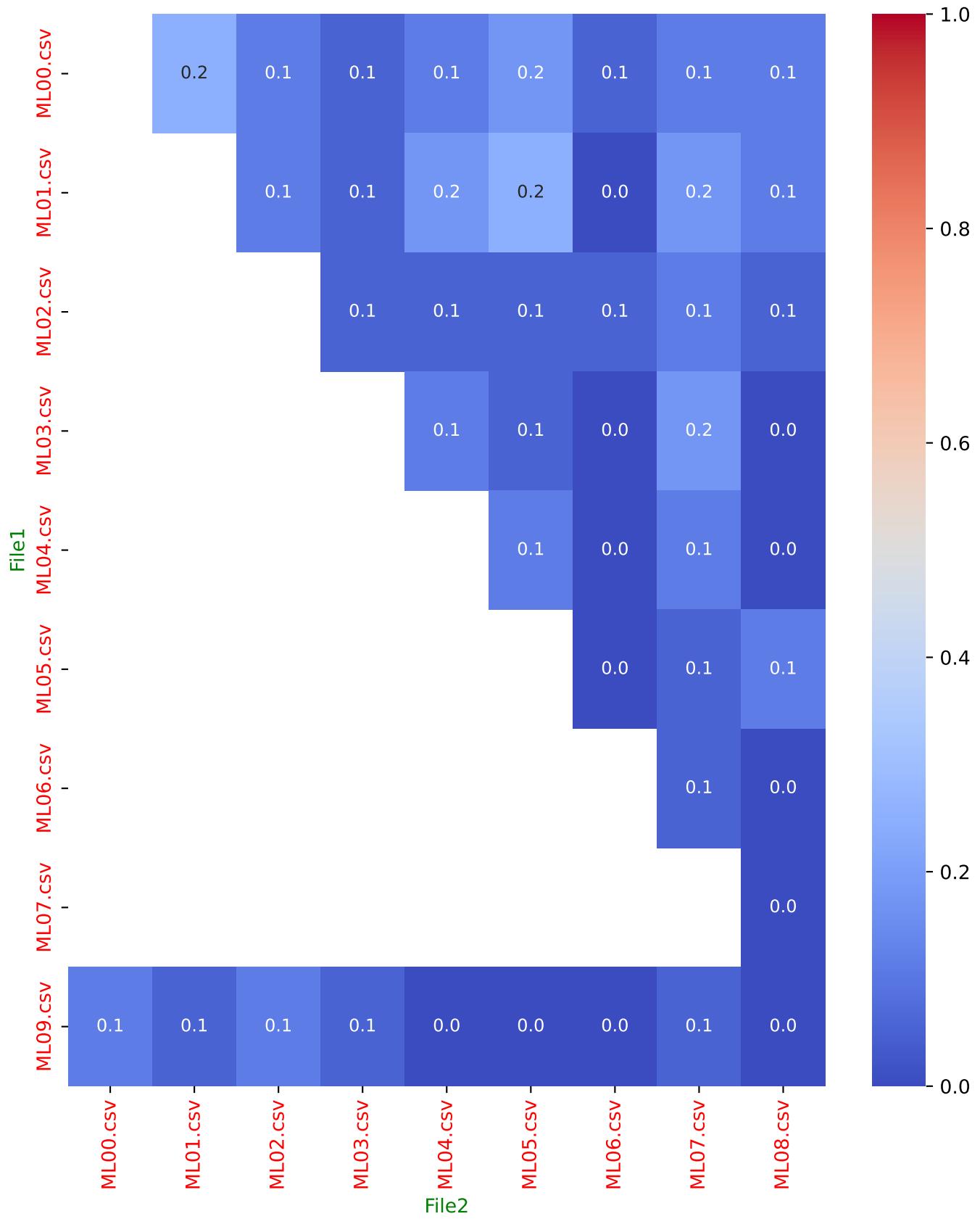
Percentage of Pairs with $\tau > 0$: 28.89%

Implementation Number 103

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

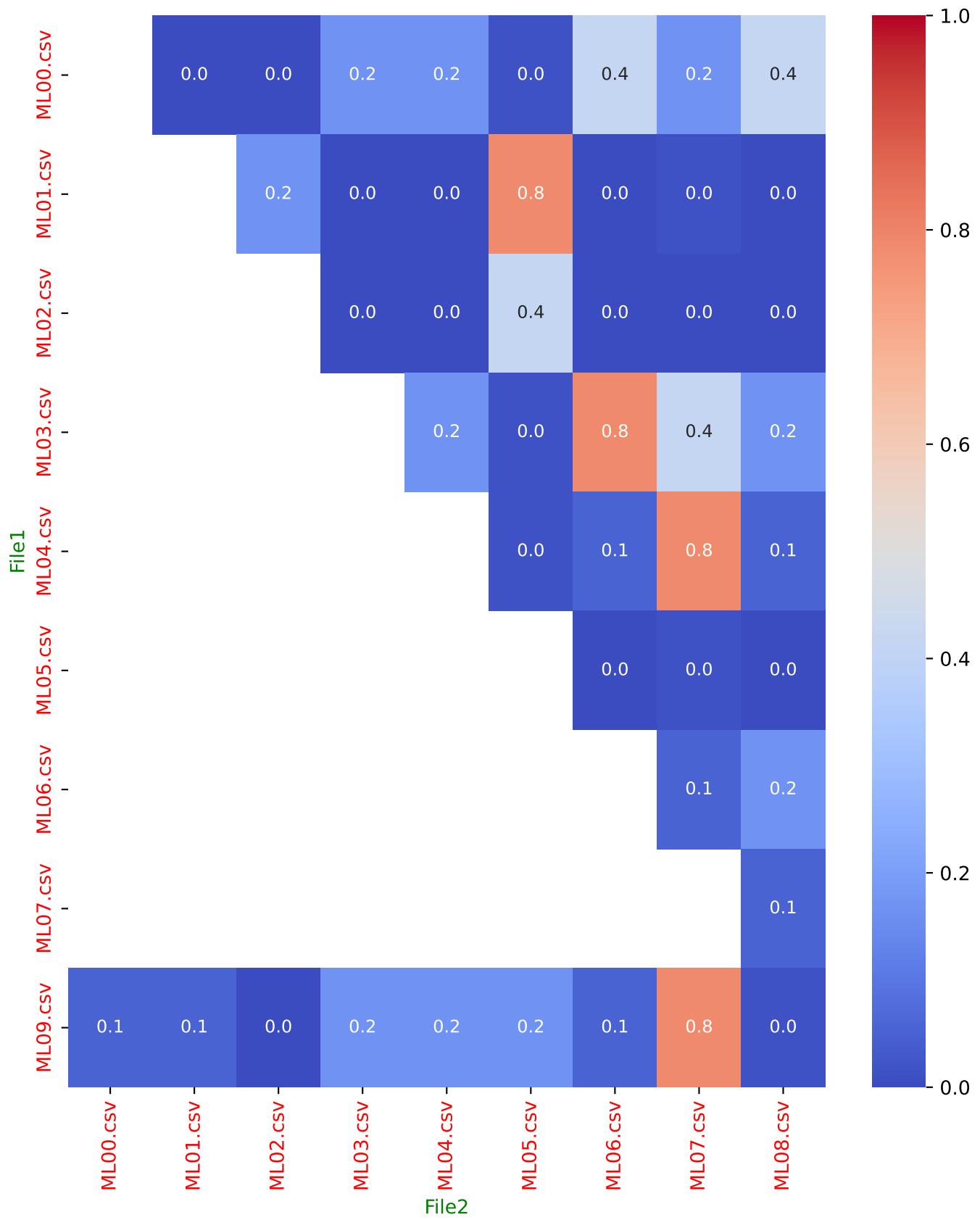


Implementation Number 103

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

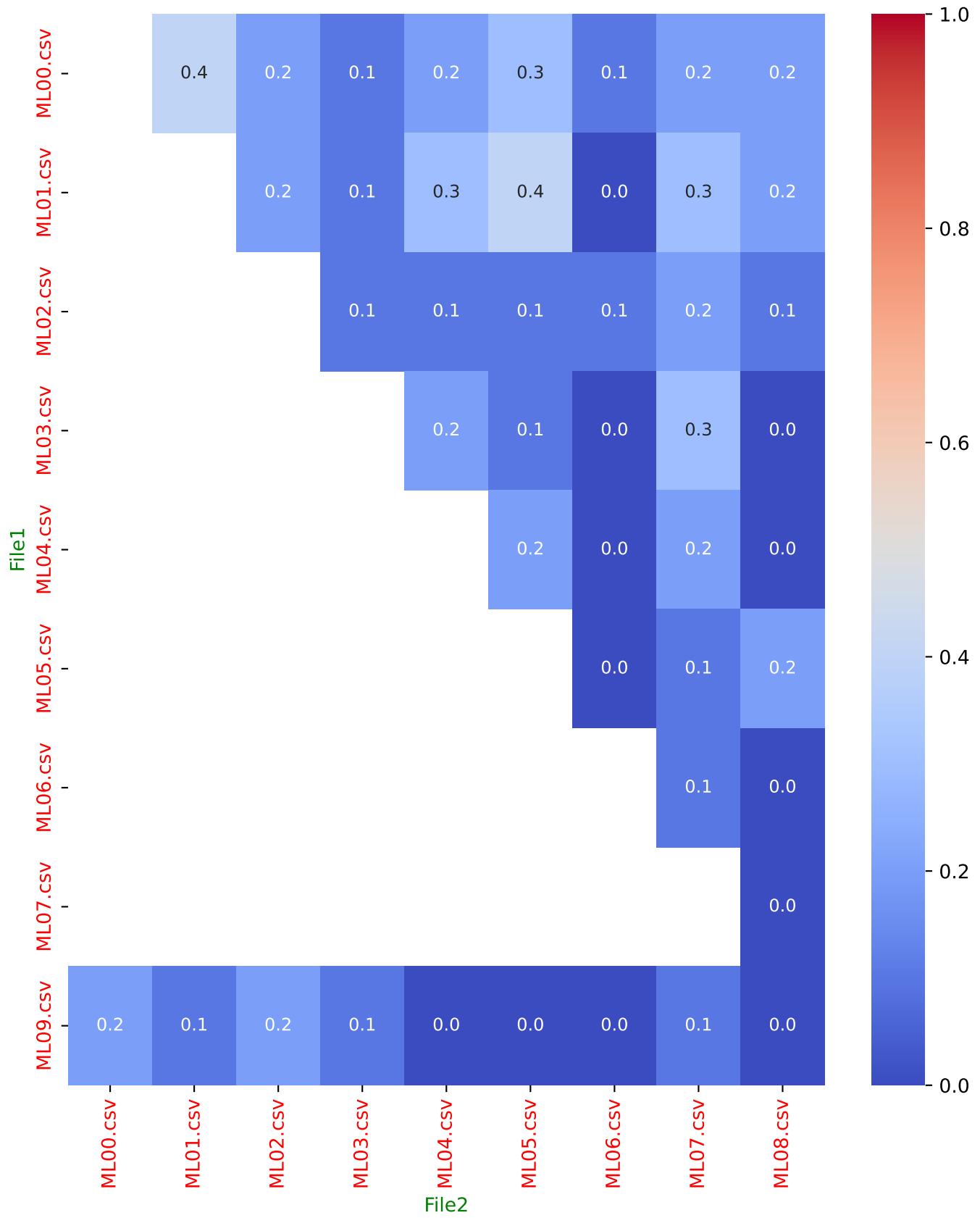


Implementation Number 103

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

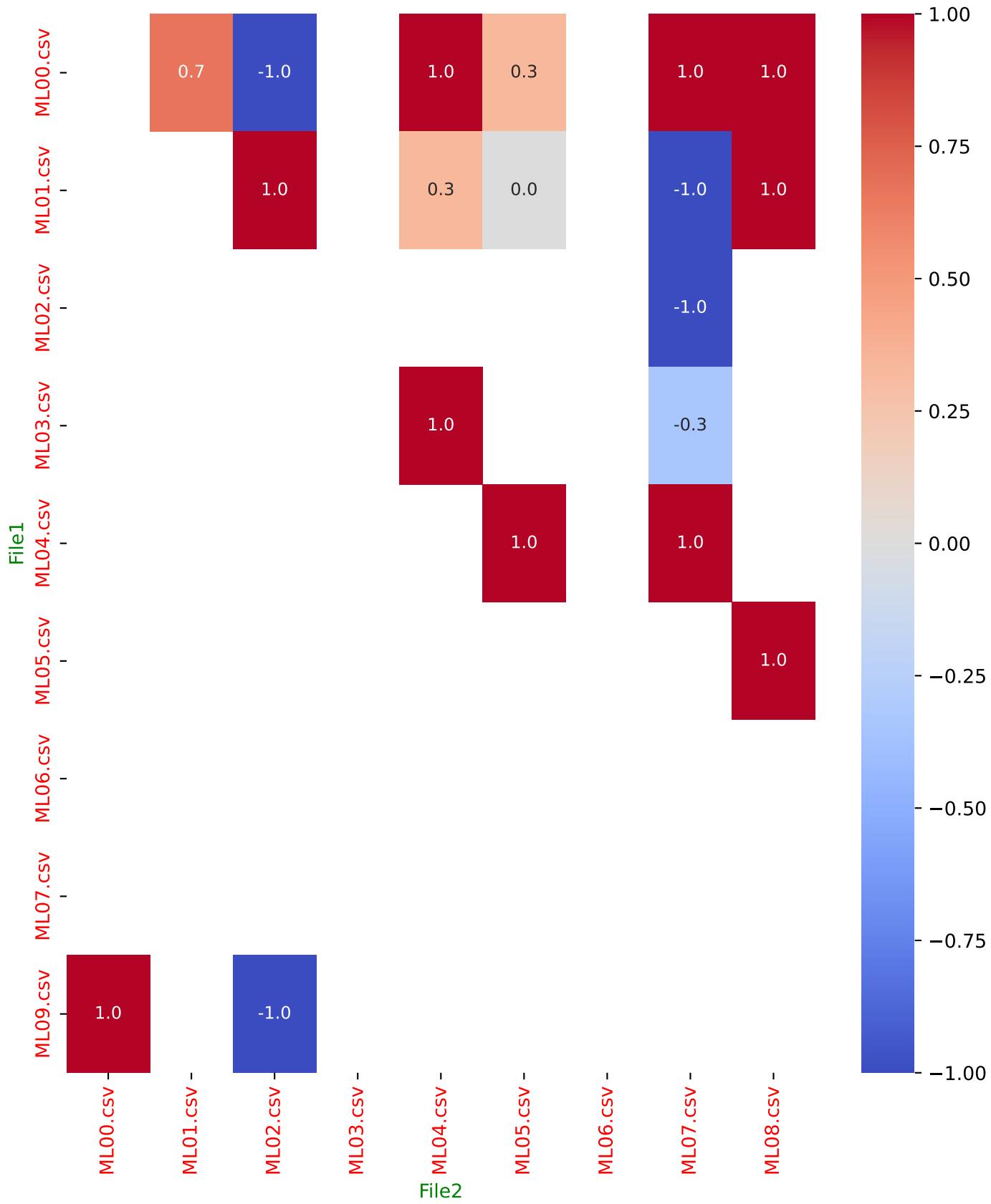


Implementation Number 103

Parameters: Top_N = 10
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 104

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 20
Number of Files: 10**

Implementation Number 104

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 104

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

Implementation Number 104

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
010.00 %	BAKON_615	00
070.00 %	BAKON_406	00, 01, 02, 03, 06, 07, 08
020.00 %	BAKON_236	00, 08
030.00 %	BAKON_509	00, 07, 08
040.00 %	BAKON_124	00, 02, 04, 08
030.00 %	BAKON_259	00, 07, 09
030.00 %	BAKON_595	00, 03, 06
020.00 %	BAKON_440	00, 03
050.00 %	BAKON_180	00, 01, 03, 04, 05
020.00 %	BAKON_186	00, 06
050.00 %	BAKON_366	00, 01, 02, 05, 06
060.00 %	BAKON_006	00, 02, 03, 05, 06, 08
030.00 %	BAKON_137	00, 04, 07
020.00 %	BAKON_606	00, 09
030.00 %	BAKON_396	00, 04, 08
040.00 %	BAKON_376	00, 02, 05, 07
010.00 %	BAKON_143	00
020.00 %	BAKON_210	00, 07
040.00 %	BAKON_026	00, 02, 06, 07
010.00 %	BAKON_100	00
010.00 %	BAKON_093	01
030.00 %	BAKON_149	01, 04, 07
070.00 %	BAKON_363	01, 02, 03, 04, 05, 06, 08
020.00 %	BAKON_219	01, 07

... continues ... (formatted sample for printing)

Global node Presence Mean (Weighted): 29.10%

Implementation Number 104

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.0811	0.1500	0.0335	-0.3333
ML09.csv	ML01.csv	0.1765	0.3000	0.3356	0.2000
ML09.csv	ML02.csv	0.1429	0.2500	0.0335	0.2000
ML09.csv	ML03.csv	0.1111	0.2000	0.3356	-0.3333
ML09.csv	ML04.csv	0.1111	0.2000	0.5713	0.0000
ML09.csv	ML05.csv	0.1765	0.3000	0.5713	-0.3333
ML09.csv	ML06.csv	0.2121	0.3500	0.0811	-0.4286
ML09.csv	ML07.csv	0.1765	0.3000	0.8320	-0.0667
ML09.csv	ML08.csv	0.0526	0.1000	0.0123	1.0000
ML00.csv	ML01.csv	0.1111	0.2000	0.0003	0.6667
ML00.csv	ML02.csv	0.1111	0.2000	0.0000	0.3333
ML00.csv	ML03.csv	0.1765	0.3000	0.0335	0.0667
ML00.csv	ML04.csv	0.2121	0.3500	0.3356	0.2381
ML00.csv	ML05.csv	0.1429	0.2500	0.0123	0.6000
ML00.csv	ML06.csv	0.1111	0.2000	0.8320	-0.3333
ML00.csv	ML07.csv	0.1111	0.2000	0.0040	0.3333
ML00.csv	ML08.csv	0.0811	0.1500	0.0123	1.0000
ML01.csv	ML02.csv	0.1429	0.2500	0.3356	0.2000
ML01.csv	ML03.csv	0.1429	0.2500	0.0123	-0.2000
ML01.csv	ML04.csv	0.2121	0.3500	0.0335	0.1429
ML01.csv	ML05.csv	0.2121	0.3500	0.5713	0.1429
ML01.csv	ML06.csv	0.0811	0.1500	0.0011	-0.3333
ML01.csv	ML07.csv	0.1429	0.2500	0.1745	-0.4000
ML01.csv	ML08.csv	0.0811	0.1500	0.0001	1.0000
ML02.csv	ML03.csv	0.0811	0.1500	0.0003	0.3333
ML02.csv	ML04.csv	0.1429	0.2500	0.0011	0.0000
ML02.csv	ML05.csv	0.1765	0.3000	0.0811	-0.8667
ML02.csv	ML06.csv	0.0811	0.1500	0.0000	-0.3333
ML02.csv	ML07.csv	0.1429	0.2500	0.0123	0.0000
ML02.csv	ML08.csv	0.1111	0.2000	0.0000	-0.3333
ML03.csv	ML04.csv	0.1111	0.2000	0.1745	1.0000
ML03.csv	ML05.csv	0.0811	0.1500	0.1745	1.0000
ML03.csv	ML06.csv	0.0526	0.1000	0.0811	1.0000
ML03.csv	ML07.csv	0.1765	0.3000	0.1745	0.2000
ML03.csv	ML08.csv	0.0811	0.1500	0.0003	-0.3333

Implementation Number 104

Parameters: Top_N = 20

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.1765	0.3000	0.1745	0.2000
ML04.csv	ML06.csv	0.0526	0.1000	0.3356	-1.0000
ML04.csv	ML07.csv	0.1111	0.2000	0.0811	1.0000
ML04.csv	ML08.csv	0.0526	0.1000	0.0811	-1.0000
ML05.csv	ML06.csv	0.0526	0.1000	0.0123	1.0000
ML05.csv	ML07.csv	0.1429	0.2500	0.1745	-0.2000
ML05.csv	ML08.csv	0.0811	0.1500	0.0040	-0.3333
ML06.csv	ML07.csv	0.0811	0.1500	0.0335	0.3333
ML06.csv	ML08.csv	0.0526	0.1000	0.0123	1.0000
ML07.csv	ML08.csv	0.0811	0.1500	0.0001	-1.0000

Global Metrics:

Mean Jaccard Coefficient (J): 0.1208

Fleiss' Kappa Agreement Index (κ_F): 0.0269

Mean KS Distance Between Pairs (D): 0.4556

Mean p-value for KS Test Pairs: 0.1505

Mean KS Distance for Multiple Samples (D_{mult}): 0.2990

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.2365

Mean Kendall Tau ($\bar{\tau}$): 0.1117

Median Kendall Tau ($\tilde{\tau}$): 0.1429

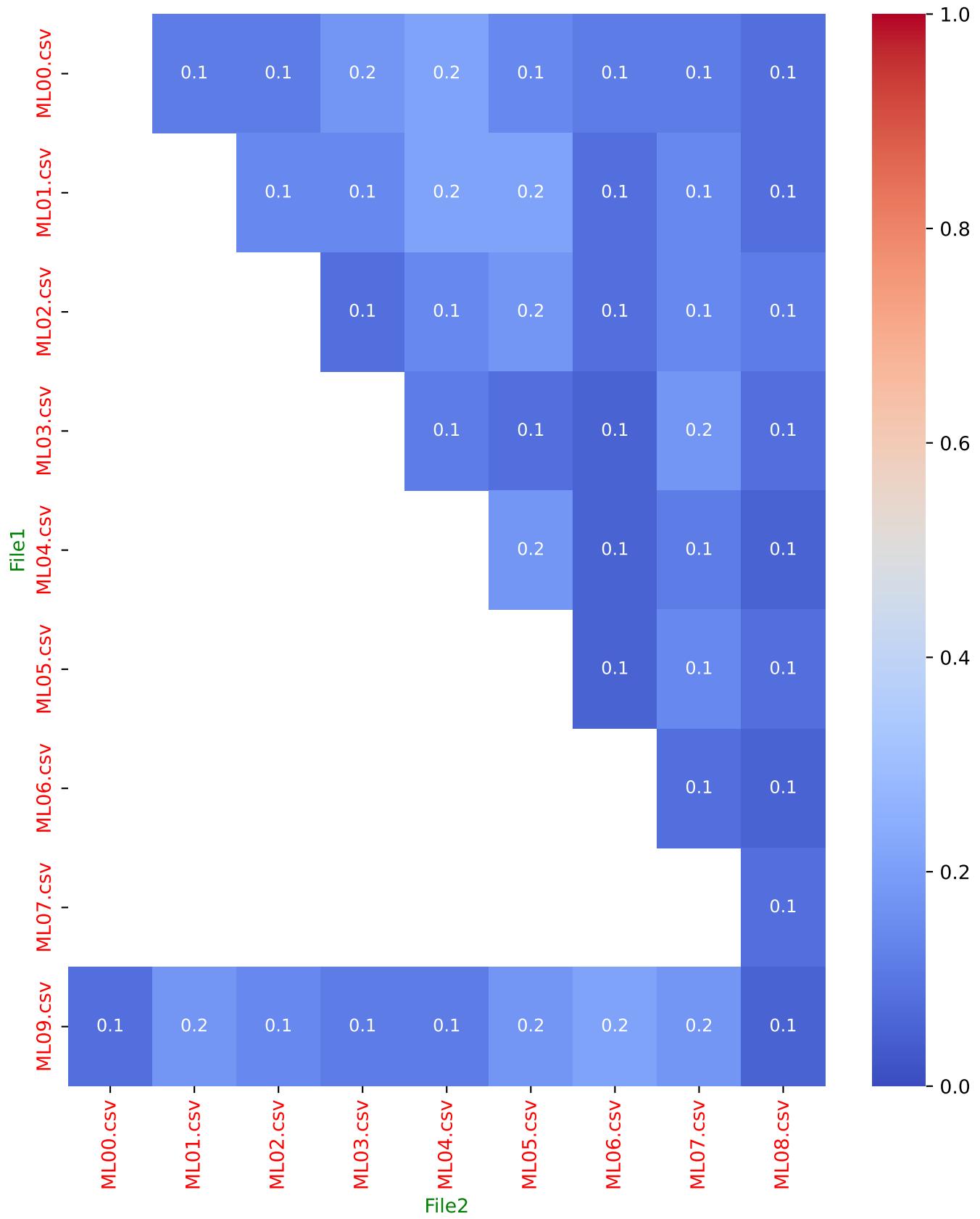
Percentage of Pairs with $\tau > 0$: 53.33%

Implementation Number 104

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

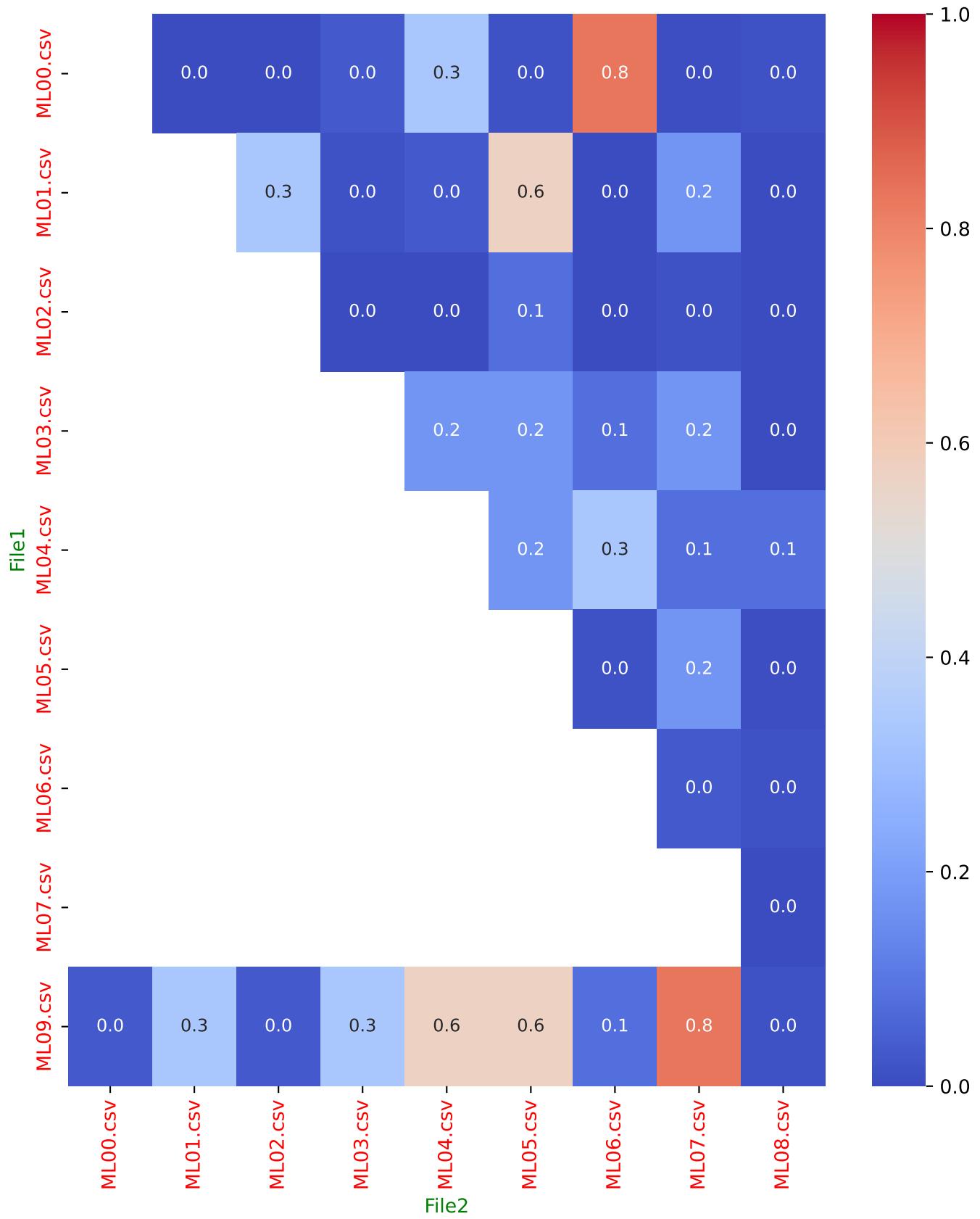


Implementation Number 104

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

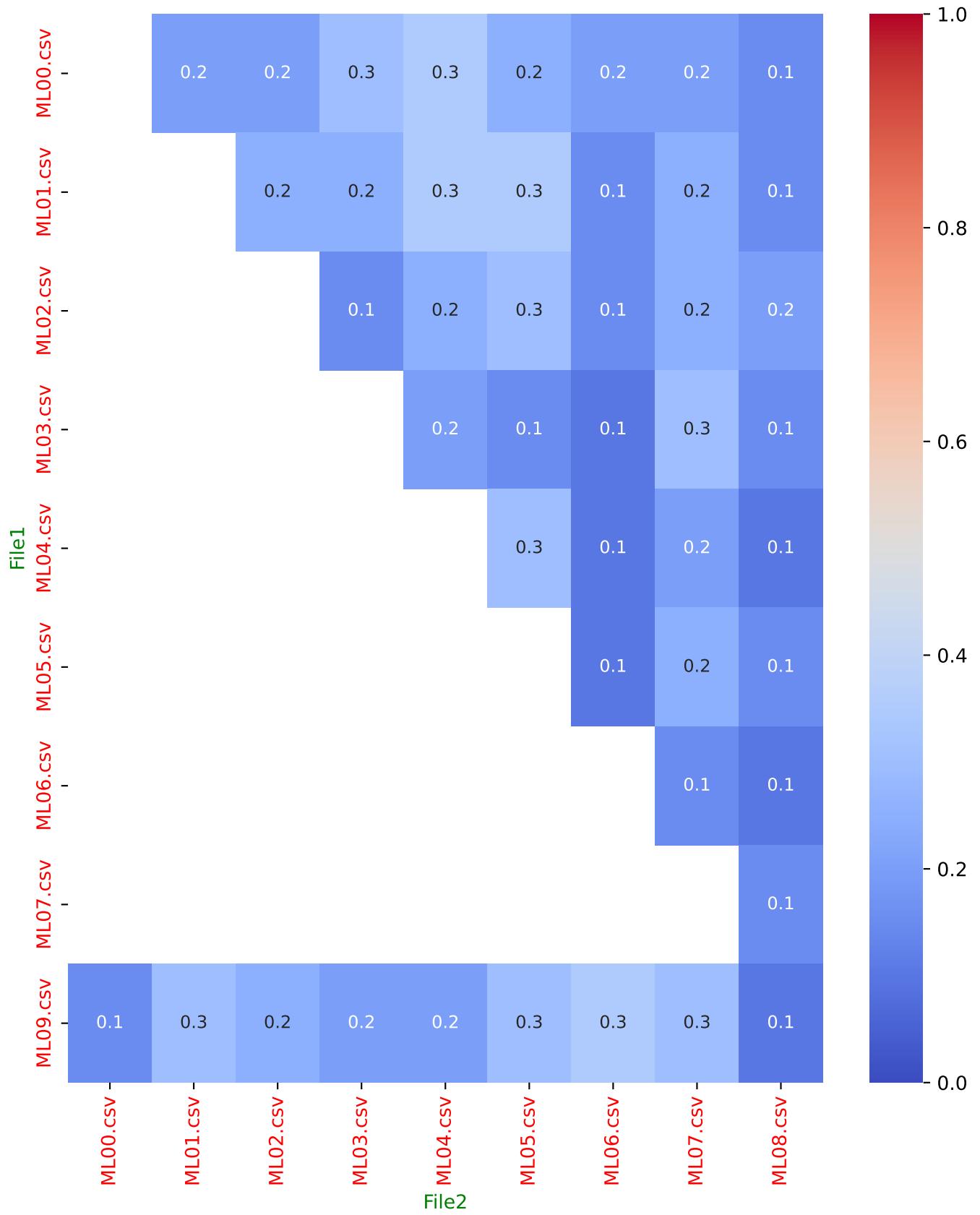


Implementation Number 104

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

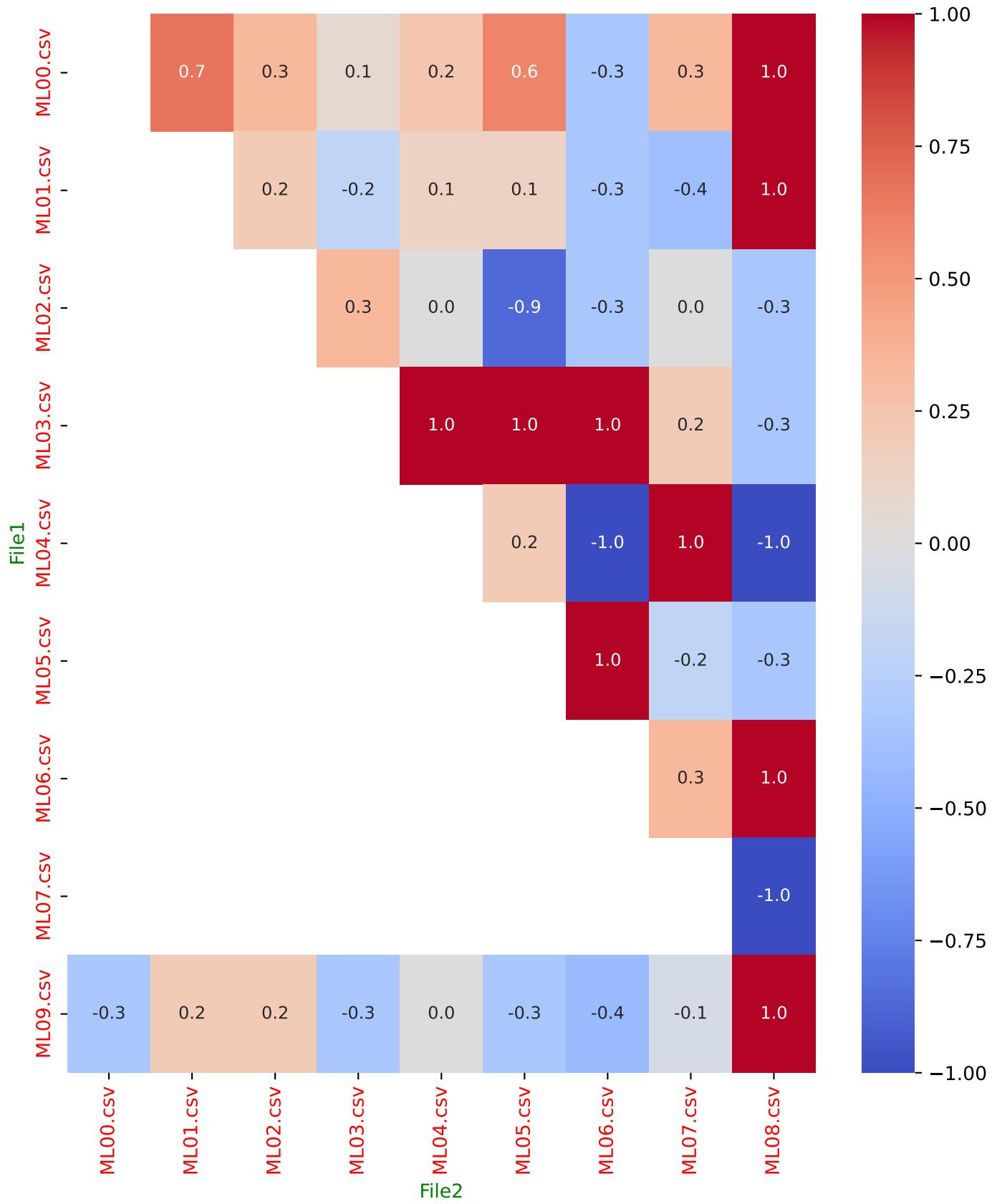


Implementation Number 104

Parameters: Top_N = 20
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 105

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 30
Number of Files: 10**

Implementation Number 105

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 105

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

Implementation Number 105

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
020.00 %	BAKON_615	00, 01
080.00 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08
020.00 %	BAKON_236	00, 08
040.00 %	BAKON_509	00, 01, 07, 08
040.00 %	BAKON_124	00, 02, 04, 08
030.00 %	BAKON_259	00, 07, 09
030.00 %	BAKON_595	00, 03, 06
040.00 %	BAKON_440	00, 01, 03, 04
050.00 %	BAKON_180	00, 01, 03, 04, 05
020.00 %	BAKON_186	00, 06
050.00 %	BAKON_366	00, 01, 02, 05, 06
070.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 09
030.00 %	BAKON_137	00, 04, 07
020.00 %	BAKON_606	00, 09
040.00 %	BAKON_396	00, 02, 04, 08
050.00 %	BAKON_376	00, 01, 02, 05, 07
010.00 %	BAKON_143	00
050.00 %	BAKON_210	00, 05, 07, 08, 09
050.00 %	BAKON_026	00, 02, 06, 07, 08
010.00 %	BAKON_100	00
030.00 %	BAKON_354	00, 08, 09
090.00 %	BAKON_363	00, 01, 02, 03, 04, 05, 06, 07, 08
020.00 %	BAKON_346	00, 09

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Global node Presence Mean (Weighted): 31.67%

Implementation Number 105

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.1538	0.2667	0.1350	-0.2857
ML09.csv	ML01.csv	0.2000	0.3333	0.0156	0.2000
ML09.csv	ML02.csv	0.1321	0.2333	0.0025	0.3333
ML09.csv	ML03.csv	0.1321	0.2333	0.1350	-0.5238
ML09.csv	ML04.csv	0.1111	0.2000	0.8080	0.0667
ML09.csv	ML05.csv	0.1321	0.2333	0.8080	-0.4286
ML09.csv	ML06.csv	0.1538	0.2667	0.2391	-0.0714
ML09.csv	ML07.csv	0.2245	0.3667	0.0156	0.0545
ML09.csv	ML08.csv	0.1321	0.2333	0.0709	0.3333
ML00.csv	ML01.csv	0.1321	0.2333	0.0025	0.4286
ML00.csv	ML02.csv	0.1111	0.2000	0.0000	0.6000
ML00.csv	ML03.csv	0.1765	0.3000	0.1350	0.2778
ML00.csv	ML04.csv	0.2245	0.3667	0.5941	0.4545
ML00.csv	ML05.csv	0.1321	0.2333	0.0709	0.7143
ML00.csv	ML06.csv	0.1538	0.2667	0.8080	-0.2143
ML00.csv	ML07.csv	0.1111	0.2000	0.0346	0.7333
ML00.csv	ML08.csv	0.0714	0.1333	0.0709	1.0000
ML01.csv	ML02.csv	0.1111	0.2000	0.2391	0.4667
ML01.csv	ML03.csv	0.1765	0.3000	0.0709	-0.3889
ML01.csv	ML04.csv	0.1765	0.3000	0.0156	0.3333
ML01.csv	ML05.csv	0.1765	0.3000	0.0709	0.2222
ML01.csv	ML06.csv	0.1111	0.2000	0.0156	-0.0667
ML01.csv	ML07.csv	0.2000	0.3333	0.3929	0.0222
ML01.csv	ML08.csv	0.1111	0.2000	0.0003	-0.2000
ML02.csv	ML03.csv	0.1538	0.2667	0.0009	-0.1429
ML02.csv	ML04.csv	0.1321	0.2333	0.0000	0.2381
ML02.csv	ML05.csv	0.1321	0.2333	0.0025	-0.9048
ML02.csv	ML06.csv	0.1111	0.2000	0.0000	0.0667
ML02.csv	ML07.csv	0.1538	0.2667	0.0709	0.2857
ML02.csv	ML08.csv	0.1538	0.2667	0.0000	0.0000
ML03.csv	ML04.csv	0.1111	0.2000	0.0709	0.7333
ML03.csv	ML05.csv	0.0909	0.1667	0.0709	0.6000
ML03.csv	ML06.csv	0.1321	0.2333	0.2391	-0.4286
ML03.csv	ML07.csv	0.2500	0.4000	0.3929	0.1818
ML03.csv	ML08.csv	0.1111	0.2000	0.0009	-0.2000

Implementation Number 105

Parameters: Top_N = 30

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.1538	0.2667	0.3929	0.0714
ML04.csv	ML06.csv	0.0909	0.1667	0.2391	-0.6000
ML04.csv	ML07.csv	0.1111	0.2000	0.0009	0.8667
ML04.csv	ML08.csv	0.1111	0.2000	0.0709	-0.2000
ML05.csv	ML06.csv	0.0714	0.1333	0.0709	0.0000
ML05.csv	ML07.csv	0.1111	0.2000	0.0346	-0.2000
ML05.csv	ML08.csv	0.1111	0.2000	0.0346	0.2000
ML06.csv	ML07.csv	0.1765	0.3000	0.1350	-0.1111
ML06.csv	ML08.csv	0.0526	0.1000	0.0065	-0.3333
ML07.csv	ML08.csv	0.1538	0.2667	0.0000	-0.4286

Global Metrics:

Mean Jaccard Coefficient (J): 0.1383

Fleiss' Kappa Agreement Index (κ_F): 0.0392

Mean KS Distance Between Pairs (D): 0.3748

Mean p-value for KS Test Pairs: 0.1463

Mean KS Distance for Multiple Samples (D_{mult}): 0.2560

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1486

Mean Kendall Tau ($\bar{\tau}$): 0.0835

Median Kendall Tau ($\tilde{\tau}$): 0.0667

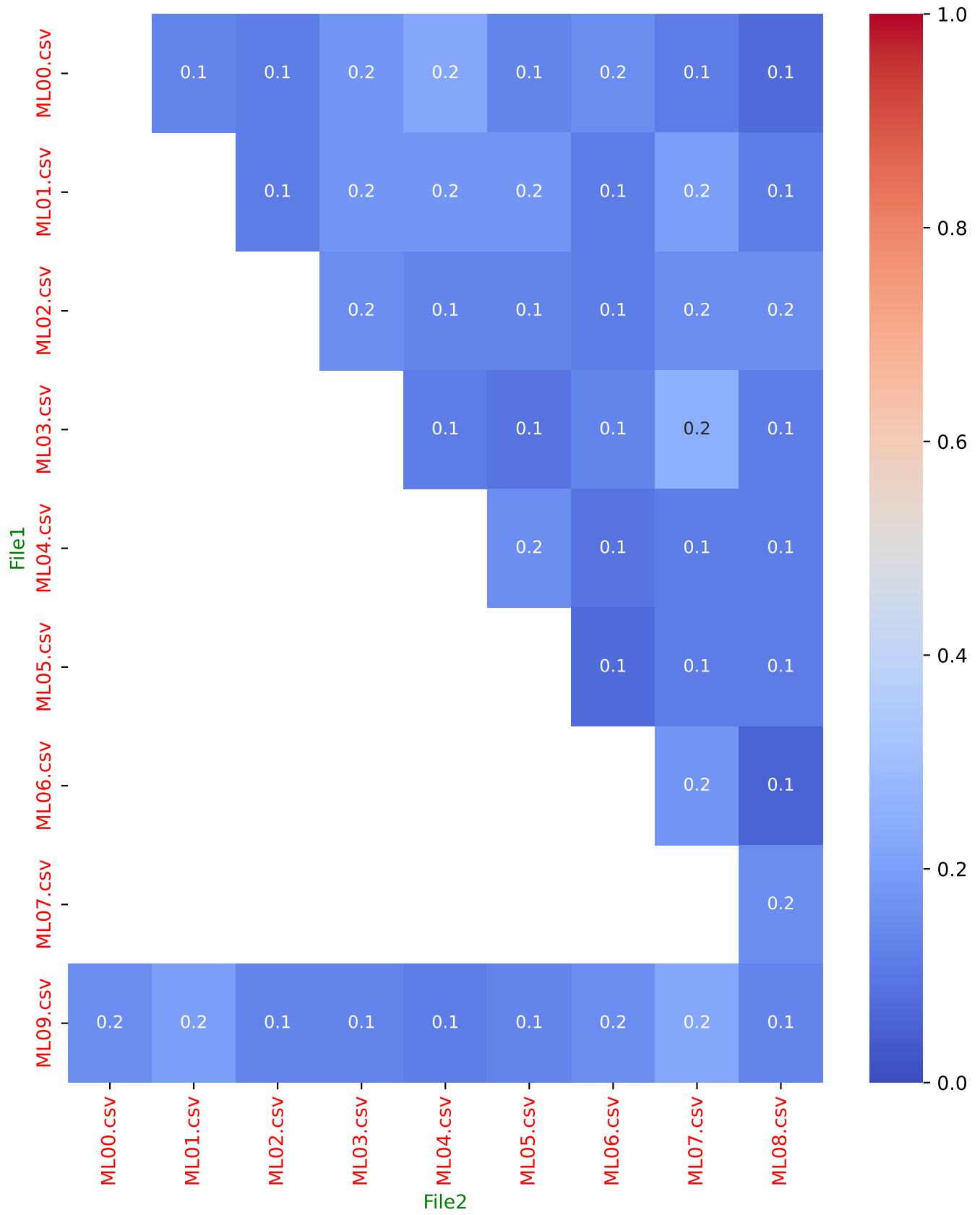
Percentage of Pairs with $\tau > 0$: 55.56%

Implementation Number 105

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

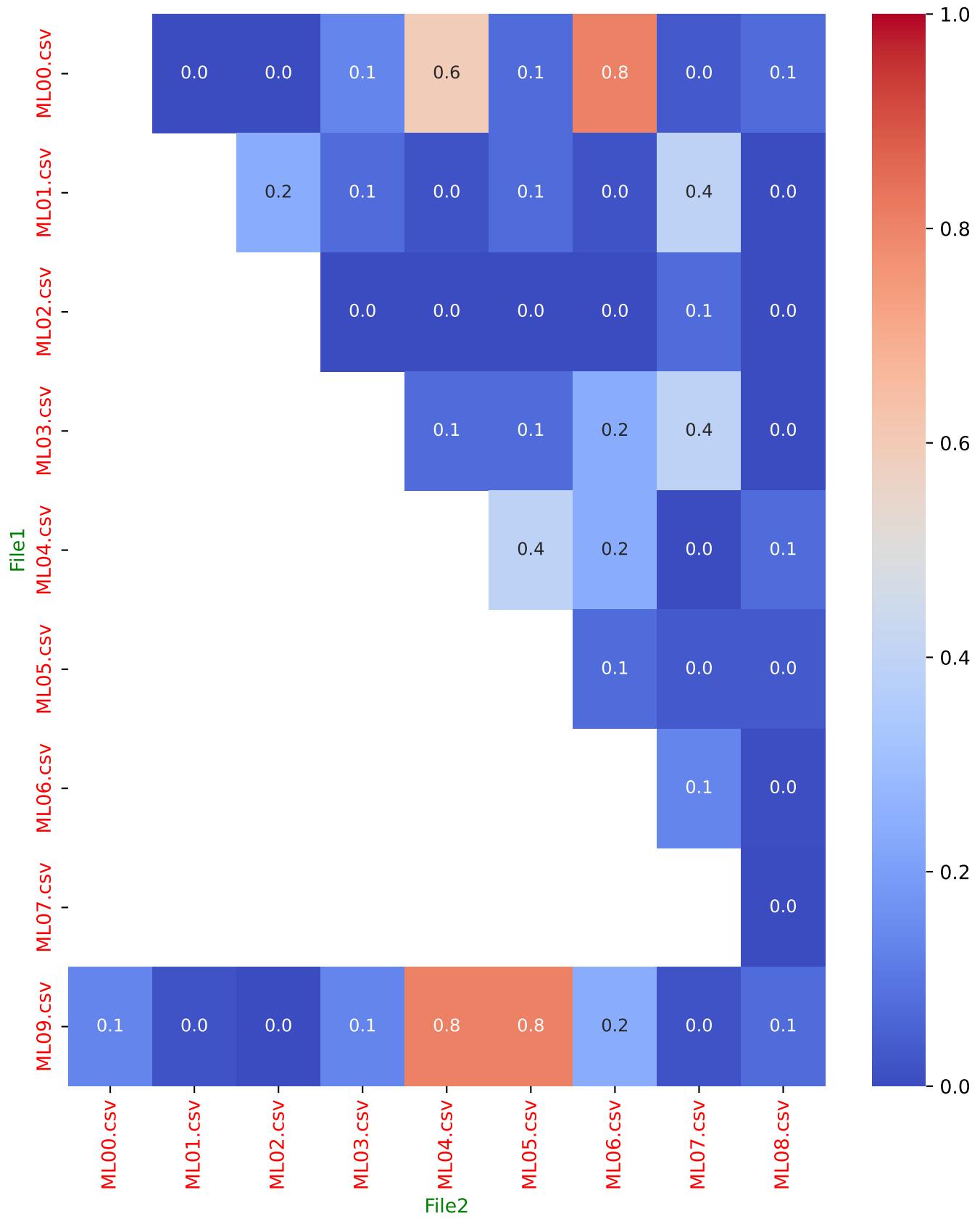


Implementation Number 105

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

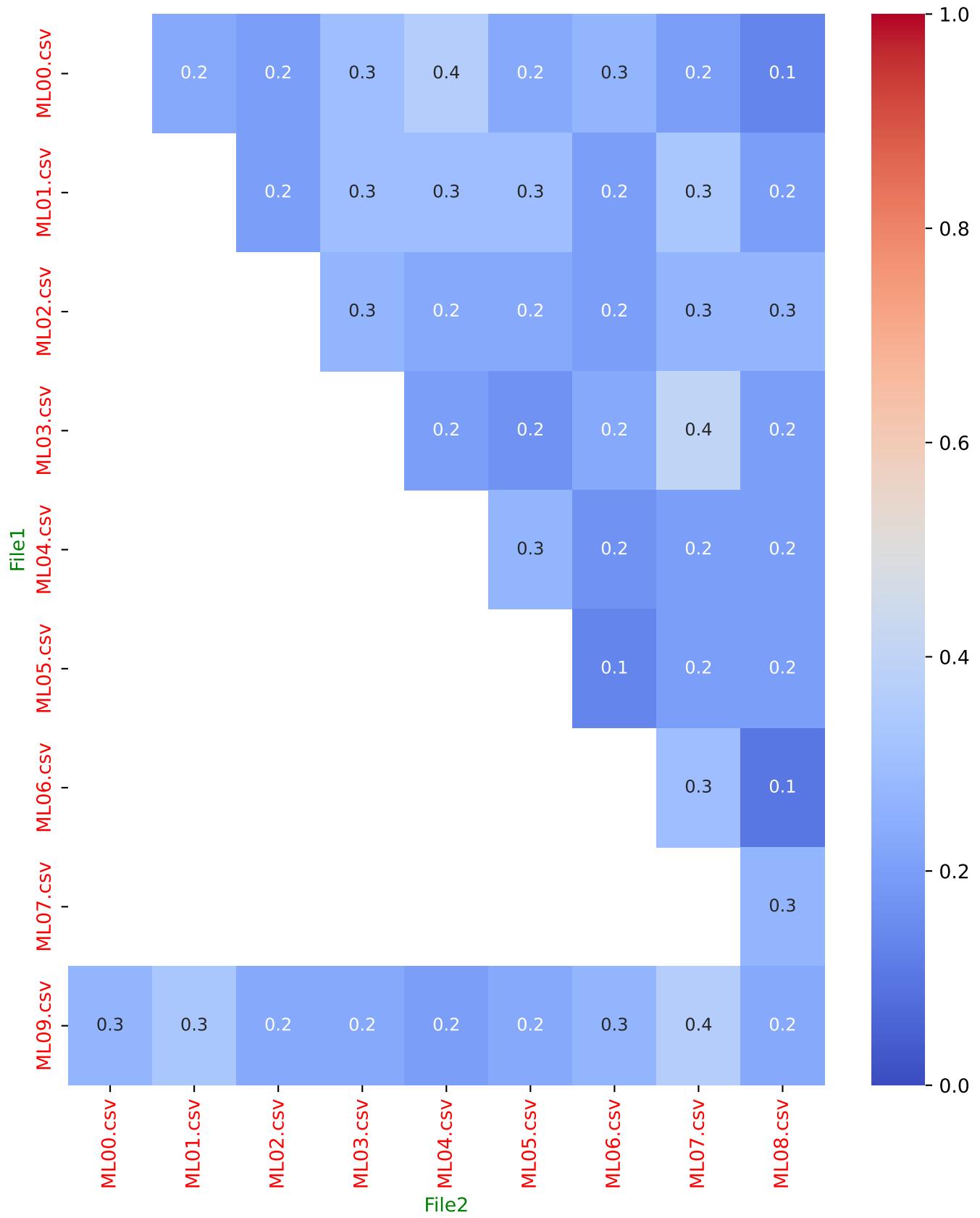


Implementation Number 105

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

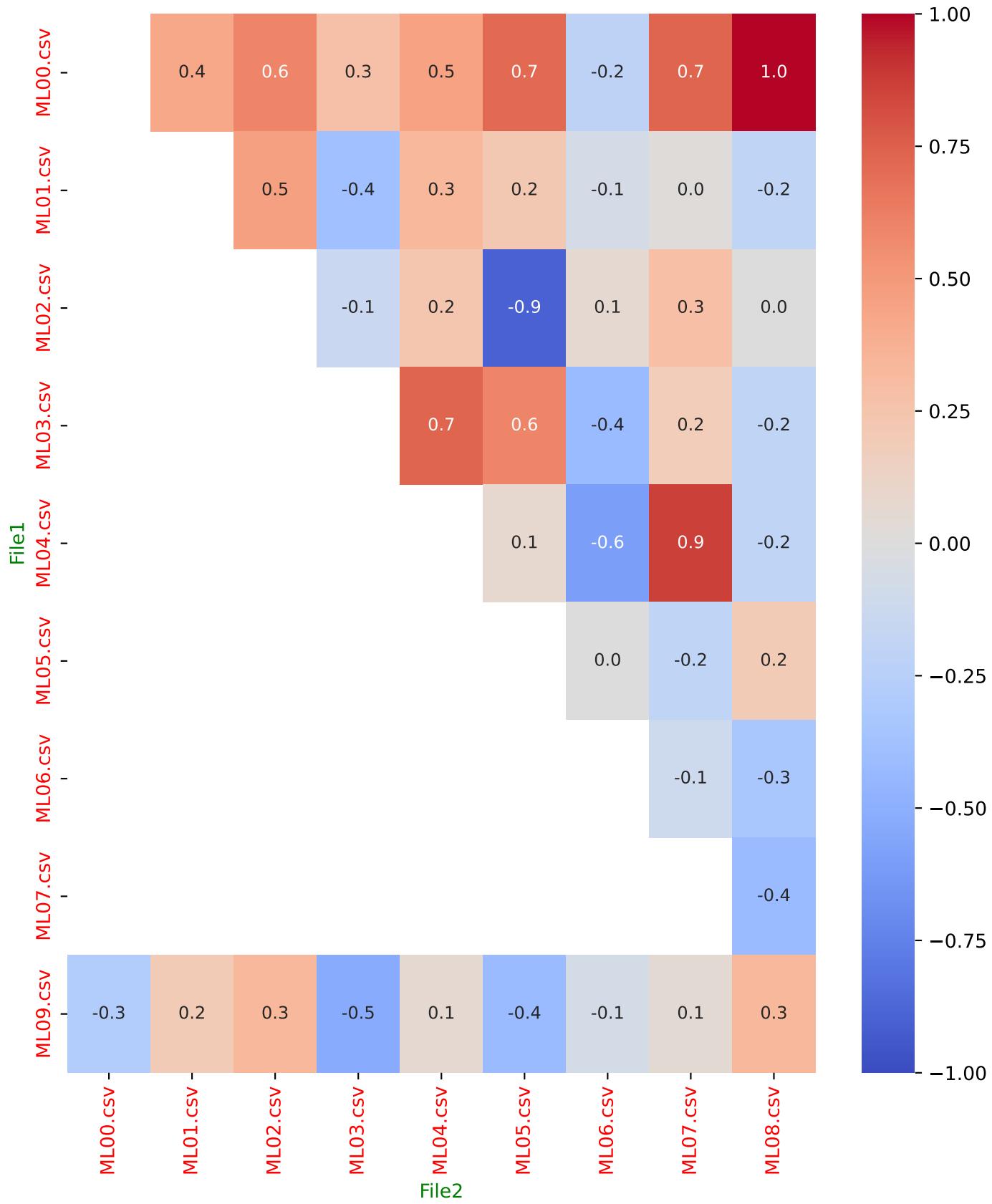


Implementation Number 105

Parameters: Top_N = 30
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 106

Similarity, Correlation and Distribution Tests

Mode: Machine Learning
Metric: Bridging centrality

Top Nodes: 50
Number of Files: 10

Implementation Number 106

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 106

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

Implementation Number 106

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
020.00 %	BAKON_615	00, 01
080.00 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08
020.00 %	BAKON_236	00, 08
050.00 %	BAKON_509	00, 01, 03, 07, 08
050.00 %	BAKON_124	00, 02, 04, 06, 08
040.00 %	BAKON_259	00, 07, 08, 09
030.00 %	BAKON_595	00, 03, 06
060.00 %	BAKON_440	00, 01, 02, 03, 04, 06
050.00 %	BAKON_180	00, 01, 03, 04, 05
040.00 %	BAKON_186	00, 04, 06, 08
060.00 %	BAKON_366	00, 01, 02, 03, 05, 06
070.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 09
030.00 %	BAKON_137	00, 04, 07
020.00 %	BAKON_606	00, 09
070.00 %	BAKON_396	00, 01, 02, 04, 06, 07, 08
050.00 %	BAKON_376	00, 01, 02, 05, 07
040.00 %	BAKON_143	00, 02, 04, 07
050.00 %	BAKON_210	00, 05, 07, 08, 09
070.00 %	BAKON_026	00, 02, 03, 04, 06, 07, 08
030.00 %	BAKON_100	00, 01, 06
040.00 %	BAKON_354	00, 03, 08, 09
090.00 %	BAKON_363	00, 01, 02, 03, 04, 05, 06, 07, 08

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Global node Presence Mean (Weighted): 38.84%

Implementation Number 106

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.1236	0.2200	0.3959	0.0909
ML09.csv	ML01.csv	0.2048	0.3400	0.0000	0.3088
ML09.csv	ML02.csv	0.2195	0.3600	0.0013	0.0980
ML09.csv	ML03.csv	0.1765	0.3000	0.0217	0.2190
ML09.csv	ML04.csv	0.1494	0.2600	0.1786	0.3590
ML09.csv	ML05.csv	0.2195	0.3600	0.9667	0.1503
ML09.csv	ML06.csv	0.2195	0.3600	0.2719	0.0065
ML09.csv	ML07.csv	0.2195	0.3600	0.0000	0.1503
ML09.csv	ML08.csv	0.1494	0.2600	0.2719	0.5128
ML00.csv	ML01.csv	0.2048	0.3400	0.0006	0.2794
ML00.csv	ML02.csv	0.2195	0.3600	0.0013	-0.0980
ML00.csv	ML03.csv	0.2346	0.3800	0.1124	0.1579
ML00.csv	ML04.csv	0.2500	0.4000	0.5487	0.1789
ML00.csv	ML05.csv	0.2346	0.3800	0.2719	0.1462
ML00.csv	ML06.csv	0.1628	0.2800	0.7166	0.3187
ML00.csv	ML07.csv	0.1628	0.2800	0.0000	0.0549
ML00.csv	ML08.csv	0.1628	0.2800	0.2719	0.0330
ML01.csv	ML02.csv	0.2048	0.3400	0.3959	0.1324
ML01.csv	ML03.csv	0.2500	0.4000	0.1124	0.0421
ML01.csv	ML04.csv	0.2500	0.4000	0.0006	0.4211
ML01.csv	ML05.csv	0.2821	0.4400	0.0000	0.3420
ML01.csv	ML06.csv	0.1628	0.2800	0.0013	0.1868
ML01.csv	ML07.csv	0.1628	0.2800	0.5487	0.2308
ML01.csv	ML08.csv	0.1494	0.2600	0.0000	0.1795
ML02.csv	ML03.csv	0.1765	0.3000	0.0217	0.2571
ML02.csv	ML04.csv	0.2048	0.3400	0.0006	0.0882
ML02.csv	ML05.csv	0.1765	0.3000	0.0028	-0.0667
ML02.csv	ML06.csv	0.1628	0.2800	0.0028	-0.0989
ML02.csv	ML07.csv	0.2048	0.3400	0.2719	0.1176
ML02.csv	ML08.csv	0.1905	0.3200	0.0000	0.2500
ML03.csv	ML04.csv	0.2195	0.3600	0.2719	-0.0980
ML03.csv	ML05.csv	0.1905	0.3200	0.0217	0.0500
ML03.csv	ML06.csv	0.2048	0.3400	0.3959	0.0000
ML03.csv	ML07.csv	0.2821	0.4400	0.0678	0.3506
ML03.csv	ML08.csv	0.1628	0.2800	0.0028	-0.0769

Implementation Number 106

Parameters: Top_N = 50

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.1905	0.3200	0.1124	0.1500
ML04.csv	ML06.csv	0.1364	0.2400	0.5487	-0.1212
ML04.csv	ML07.csv	0.1905	0.3200	0.0002	0.0833
ML04.csv	ML08.csv	0.1905	0.3200	0.2719	0.1667
ML05.csv	ML06.csv	0.1765	0.3000	0.1124	0.0857
ML05.csv	ML07.csv	0.1765	0.3000	0.0000	0.1810
ML05.csv	ML08.csv	0.1905	0.3200	0.1786	0.3000
ML06.csv	ML07.csv	0.1364	0.2400	0.0006	-0.2121
ML06.csv	ML08.csv	0.0989	0.1800	0.0678	0.0000
ML07.csv	ML08.csv	0.2048	0.3400	0.0000	-0.0147

Global Metrics:

Mean Jaccard Coefficient (J): 0.1921

Fleiss' Kappa Agreement Index (κ_F): 0.0688

Mean KS Distance Between Pairs (D): 0.3049

Mean p-value for KS Test Pairs: 0.1654

Mean KS Distance for Multiple Samples (D_{mult}): 0.2140

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1316

Mean Kendall Tau ($\bar{\tau}$): 0.1310

Median Kendall Tau ($\tilde{\tau}$): 0.1462

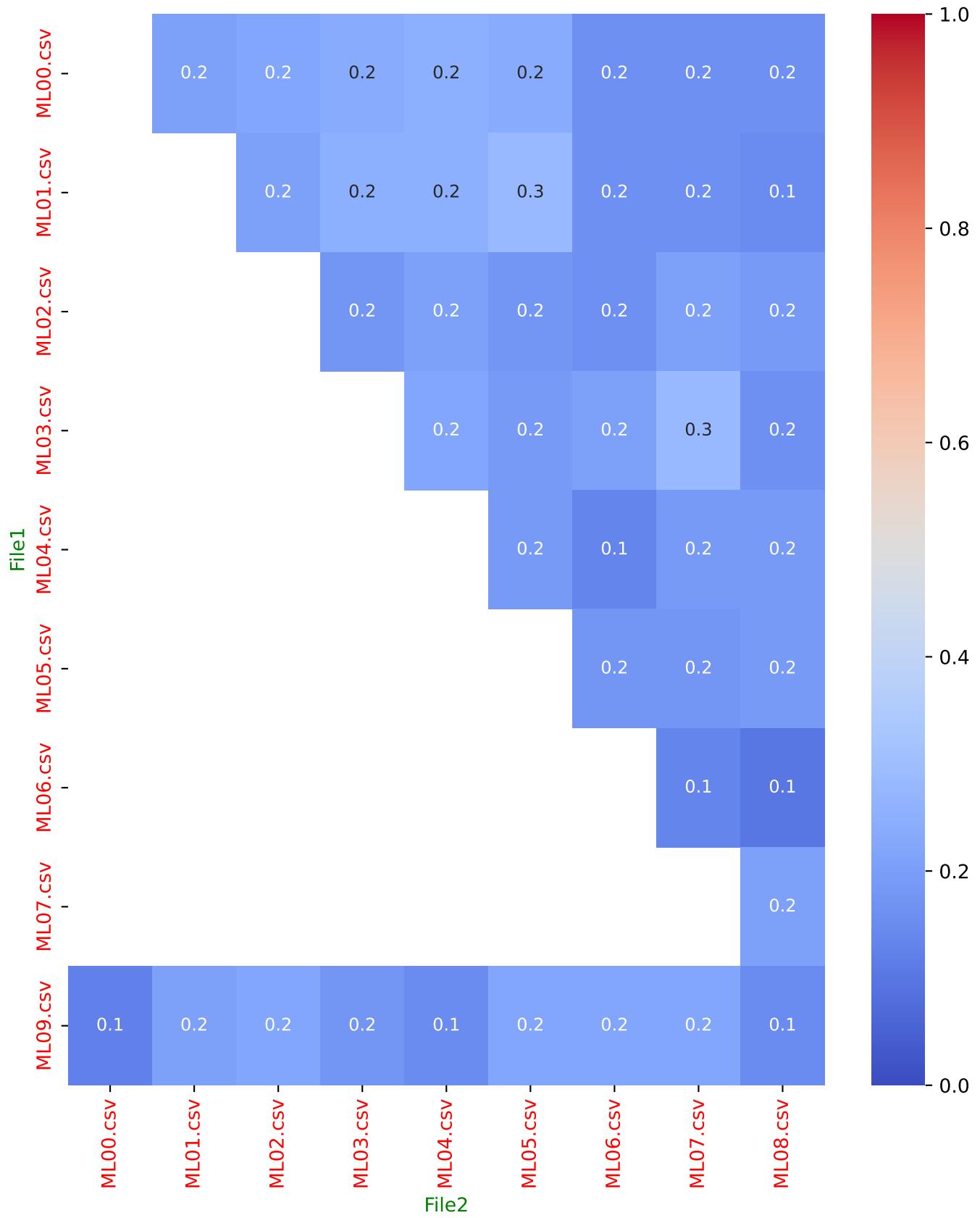
Percentage of Pairs with $\tau > 0$: 77.78%

Implementation Number 106

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

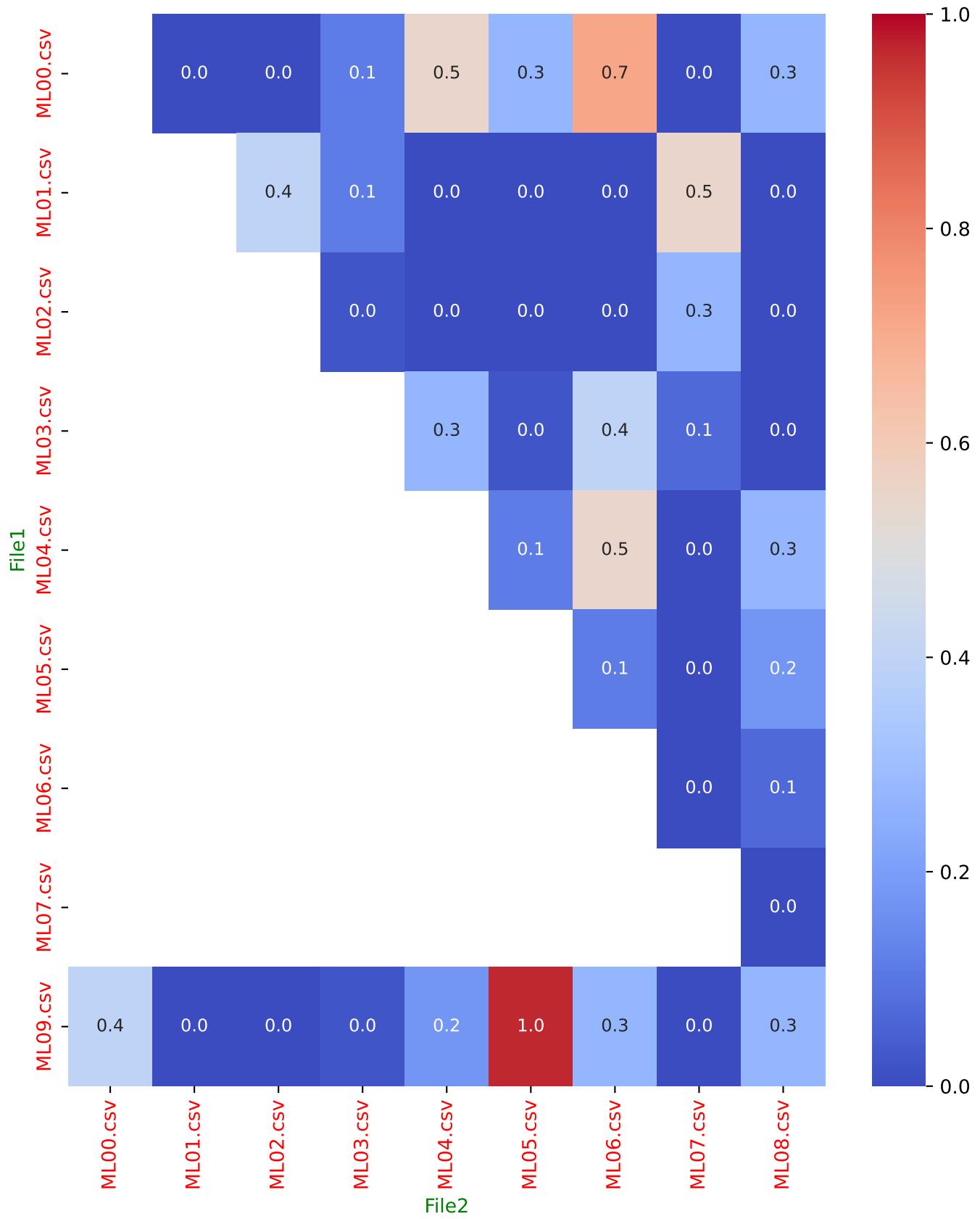


Implementation Number 106

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

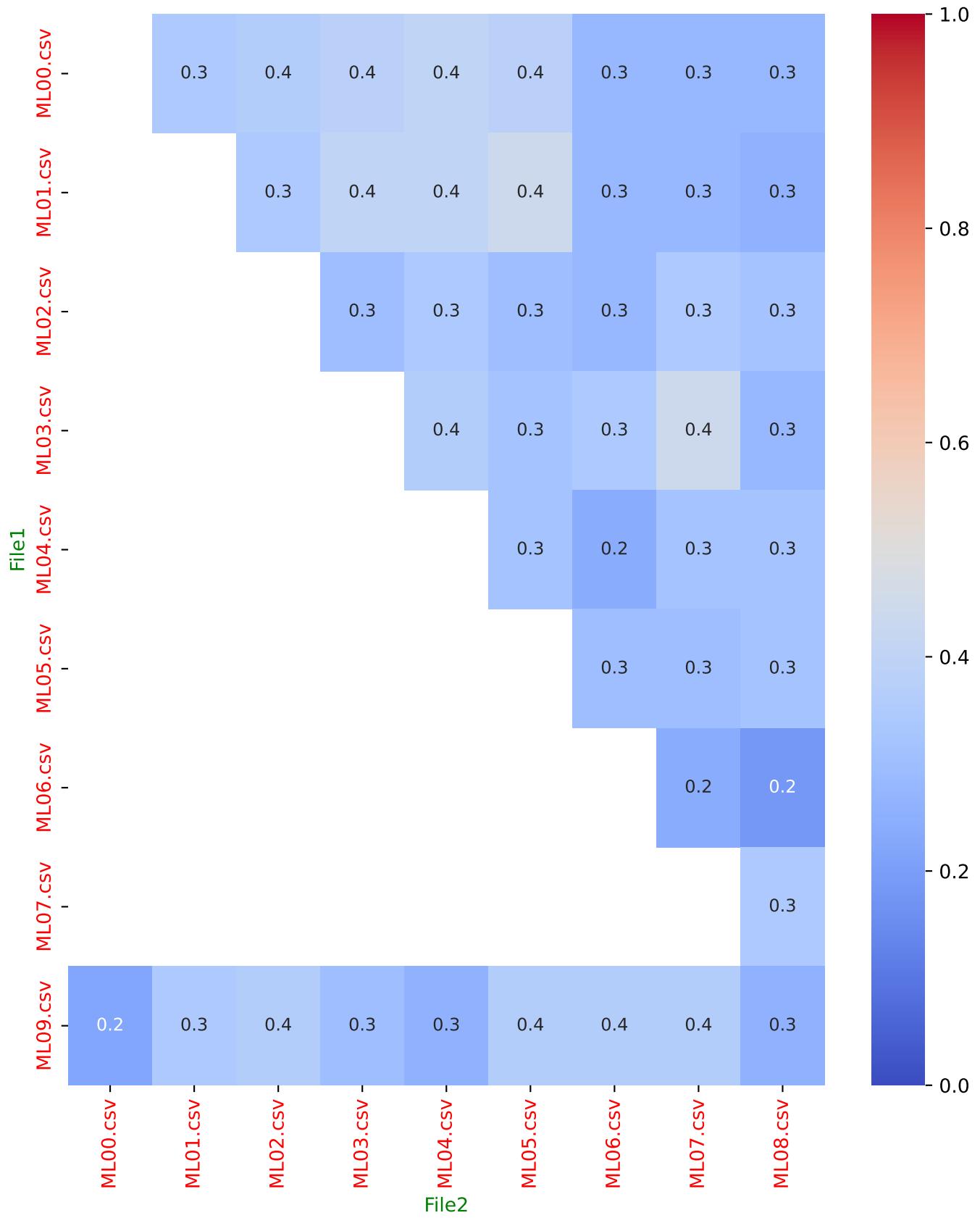


Implementation Number 106

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

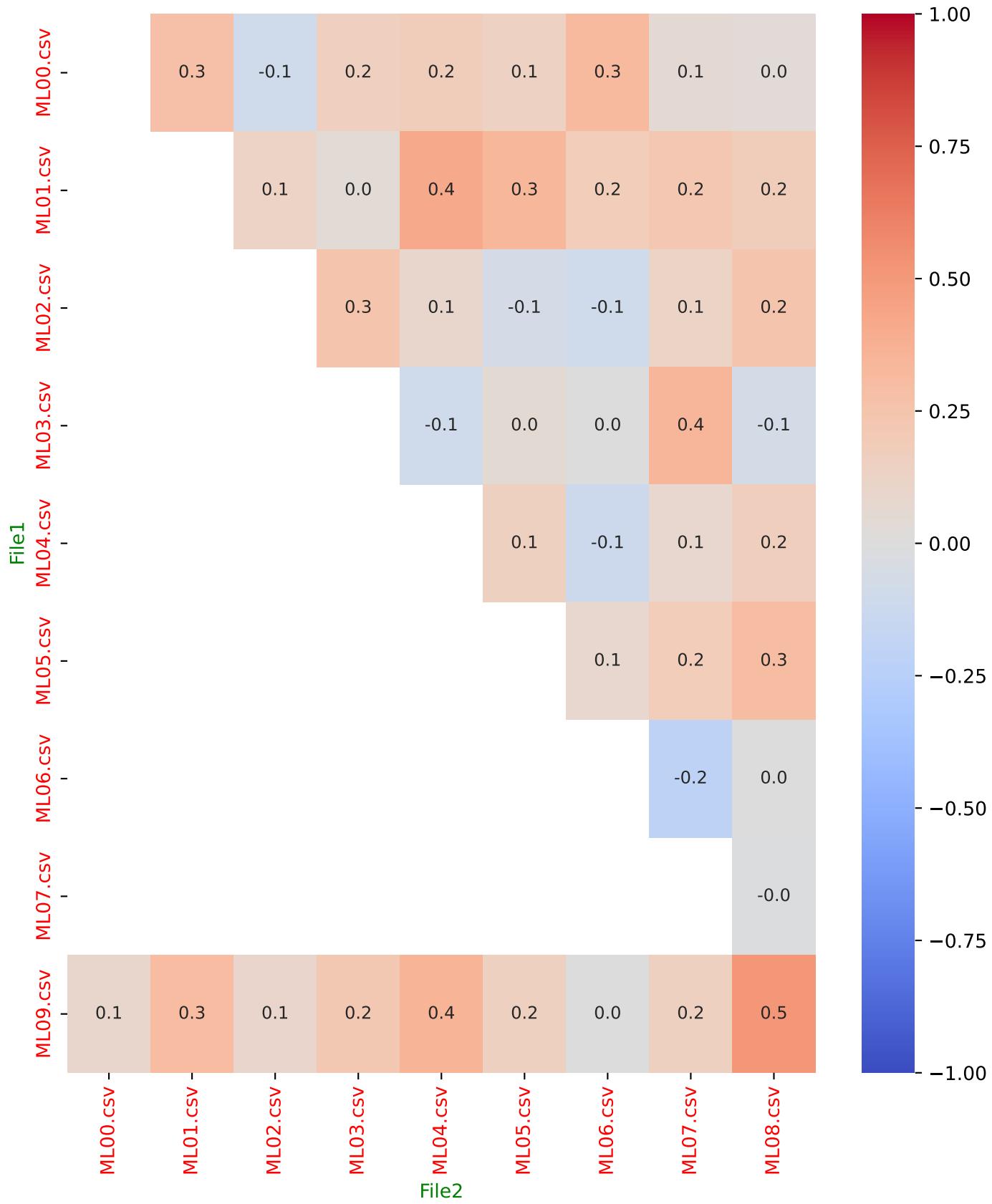


Implementation Number 106

Parameters: Top_N = 50
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 107

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 100
Number of Files: 10**

Implementation Number 107

Parameters: Top_N = 100

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 107

Parameters: Top_N = 100

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

Implementation Number 107

Parameters: Top_N = 100

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
030.00 %	BAKON_615	00, 01, 07
090.00 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 09
030.00 %	BAKON_236	00, 06, 08
060.00 %	BAKON_509	00, 01, 03, 06, 07, 08
060.00 %	BAKON_124	00, 02, 03, 04, 06, 08
080.00 %	BAKON_259	00, 02, 04, 05, 06, 07, 08, 09
030.00 %	BAKON_595	00, 03, 06
080.00 %	BAKON_440	00, 01, 02, 03, 04, 06, 08, 09
060.00 %	BAKON_180	00, 01, 03, 04, 05, 09
090.00 %	BAKON_186	00, 01, 02, 03, 04, 05, 06, 08, 09
090.00 %	BAKON_366	00, 01, 02, 03, 04, 05, 06, 07, 08
100.00 %	BAKON_006	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
030.00 %	BAKON_137	00, 04, 07
050.00 %	BAKON_606	00, 02, 03, 07, 09
090.00 %	BAKON_396	00, 01, 02, 03, 04, 06, 07, 08, 09
080.00 %	BAKON_376	00, 01, 02, 04, 05, 06, 07, 08
050.00 %	BAKON_143	00, 01, 02, 04, 07
080.00 %	BAKON_210	00, 02, 03, 05, 06, 07, 08, 09
080.00 %	BAKON_026	00, 02, 03, 04, 05, 06, 07, 08
040.00 %	BAKON_100	00, 01, 06, 08

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Global node Presence Mean (Weighted): 55.04%

Implementation Number 107

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.3333	0.5000	0.8154	0.1527
ML09.csv	ML01.csv	0.3514	0.5200	0.0000	0.2398
ML09.csv	ML02.csv	0.3793	0.5500	0.0539	0.1987
ML09.csv	ML03.csv	0.3793	0.5500	0.0099	0.0653
ML09.csv	ML04.csv	0.2903	0.4500	0.4695	0.0869
ML09.csv	ML05.csv	0.3605	0.5300	0.4695	0.1248
ML09.csv	ML06.csv	0.3514	0.5200	0.7021	0.0694
ML09.csv	ML07.csv	0.3699	0.5400	0.0000	0.3194
ML09.csv	ML08.csv	0.2821	0.4400	0.7021	0.0909
ML00.csv	ML01.csv	0.3245	0.4900	0.0000	0.1922
ML00.csv	ML02.csv	0.2987	0.4600	0.0539	0.1749
ML00.csv	ML03.csv	0.3605	0.5300	0.1112	0.0914
ML00.csv	ML04.csv	0.3072	0.4700	0.9084	0.2525
ML00.csv	ML05.csv	0.3072	0.4700	0.2112	0.2192
ML00.csv	ML06.csv	0.3333	0.5000	0.7021	0.2669
ML00.csv	ML07.csv	0.3605	0.5300	0.0000	0.0697
ML00.csv	ML08.csv	0.3333	0.5000	0.4695	0.0204
ML01.csv	ML02.csv	0.3514	0.5200	0.0001	0.1176
ML01.csv	ML03.csv	0.4286	0.6000	0.0099	0.0158
ML01.csv	ML04.csv	0.3605	0.5300	0.0001	0.2395
ML01.csv	ML05.csv	0.3514	0.5200	0.0000	0.3363
ML01.csv	ML06.csv	0.3158	0.4800	0.0000	0.0248
ML01.csv	ML07.csv	0.3605	0.5300	0.3682	0.0798
ML01.csv	ML08.csv	0.3245	0.4900	0.0000	0.0221
ML02.csv	ML03.csv	0.3605	0.5300	0.2112	0.0798
ML02.csv	ML04.csv	0.3158	0.4800	0.0364	0.0638
ML02.csv	ML05.csv	0.3699	0.5400	0.0782	0.1105
ML02.csv	ML06.csv	0.2987	0.4600	0.0782	0.0667
ML02.csv	ML07.csv	0.3514	0.5200	0.0061	0.1795
ML02.csv	ML08.csv	0.2903	0.4500	0.0061	0.1152
ML03.csv	ML04.csv	0.3605	0.5300	0.2112	0.1118
ML03.csv	ML05.csv	0.3245	0.4900	0.0013	0.0000
ML03.csv	ML06.csv	0.3158	0.4800	0.0539	0.0957
ML03.csv	ML07.csv	0.3605	0.5300	0.0099	0.3759
ML03.csv	ML08.csv	0.3699	0.5400	0.0022	-0.0468

Implementation Number 107

Parameters: Top_N = 100

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.3333	0.5000	0.0782	0.2352
ML04.csv	ML06.csv	0.3072	0.4700	0.8154	-0.0472
ML04.csv	ML07.csv	0.3514	0.5200	0.0004	-0.0377
ML04.csv	ML08.csv	0.2903	0.4500	0.4695	0.0566
ML05.csv	ML06.csv	0.3072	0.4700	0.1548	0.0176
ML05.csv	ML07.csv	0.3245	0.4900	0.0000	0.1429
ML05.csv	ML08.csv	0.3072	0.4700	0.5830	0.0287
ML06.csv	ML07.csv	0.3072	0.4700	0.0001	0.0065
ML06.csv	ML08.csv	0.2821	0.4400	0.3682	-0.0254
ML07.csv	ML08.csv	0.3072	0.4700	0.0000	0.1545

Global Metrics:

Mean Jaccard Coefficient (J): 0.3345

Fleiss' Kappa Agreement Index (κ_F): 0.1843

Mean KS Distance Between Pairs (D): 0.2164

Mean p-value for KS Test Pairs: 0.2049

Mean KS Distance for Multiple Samples (D_{mult}): 0.1517

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1842

Mean Kendall Tau ($\bar{\tau}$): 0.1145

Median Kendall Tau ($\tilde{\tau}$): 0.0914

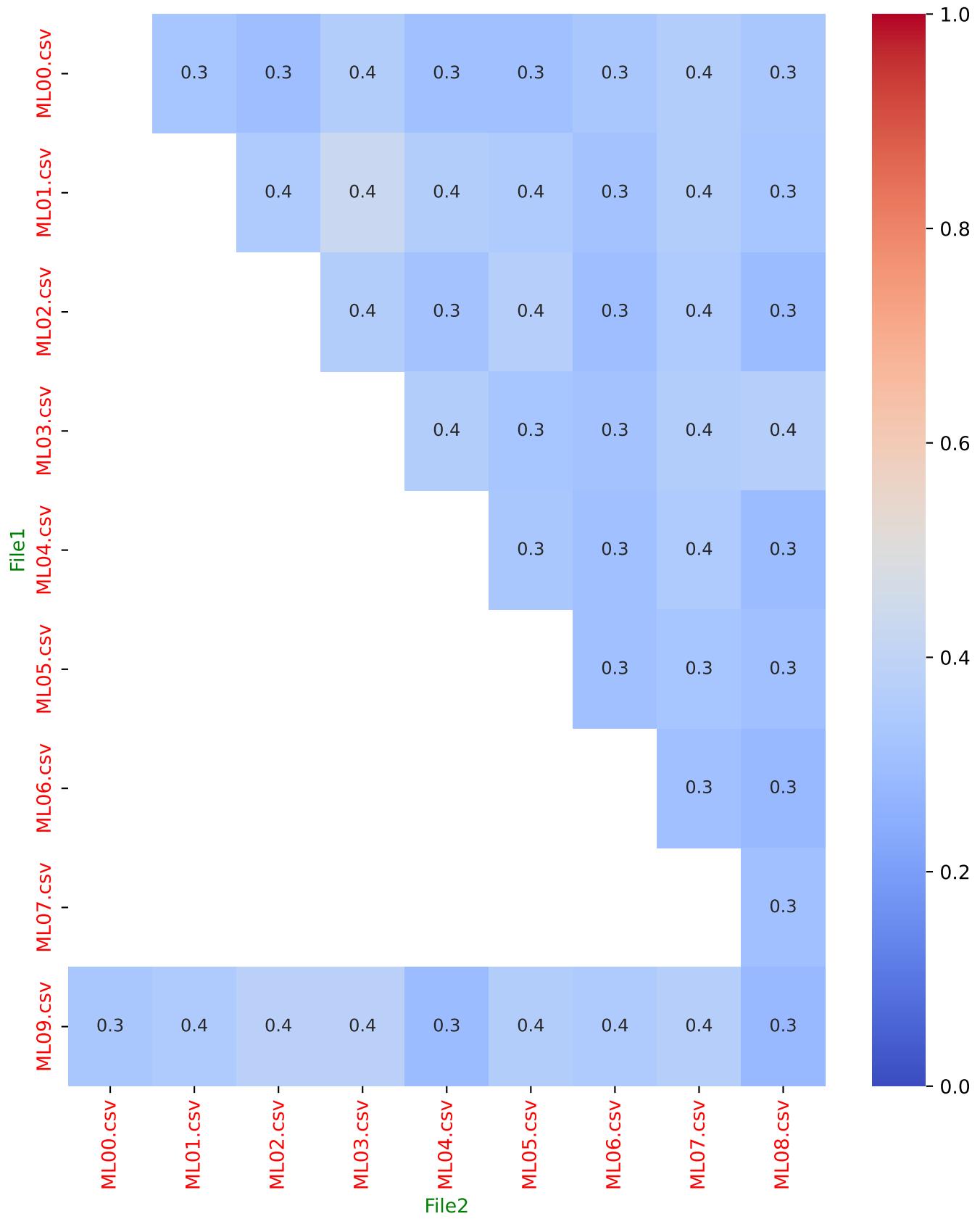
Percentage of Pairs with $\tau > 0$: 88.89%

Implementation Number 107

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

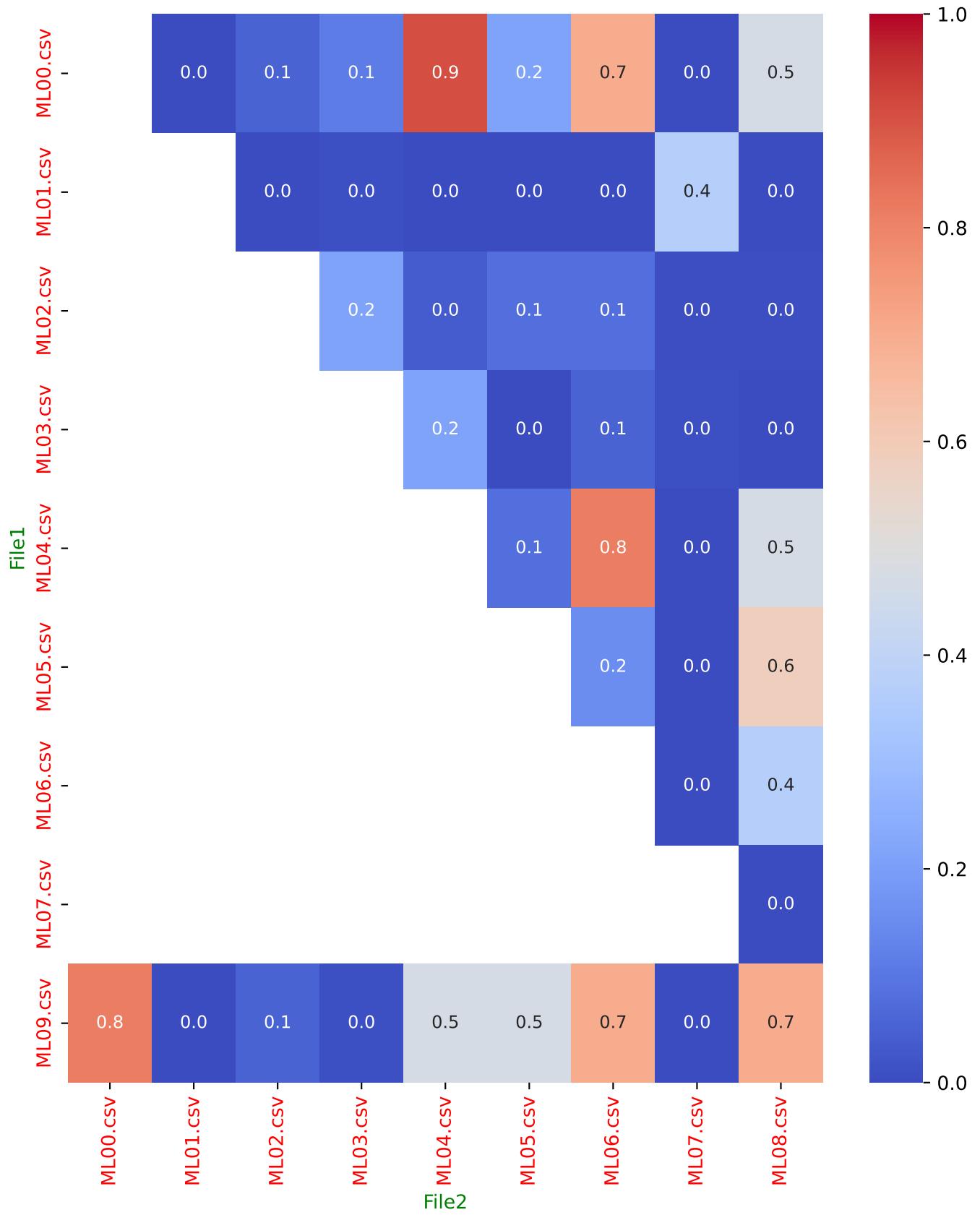


Implementation Number 107

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

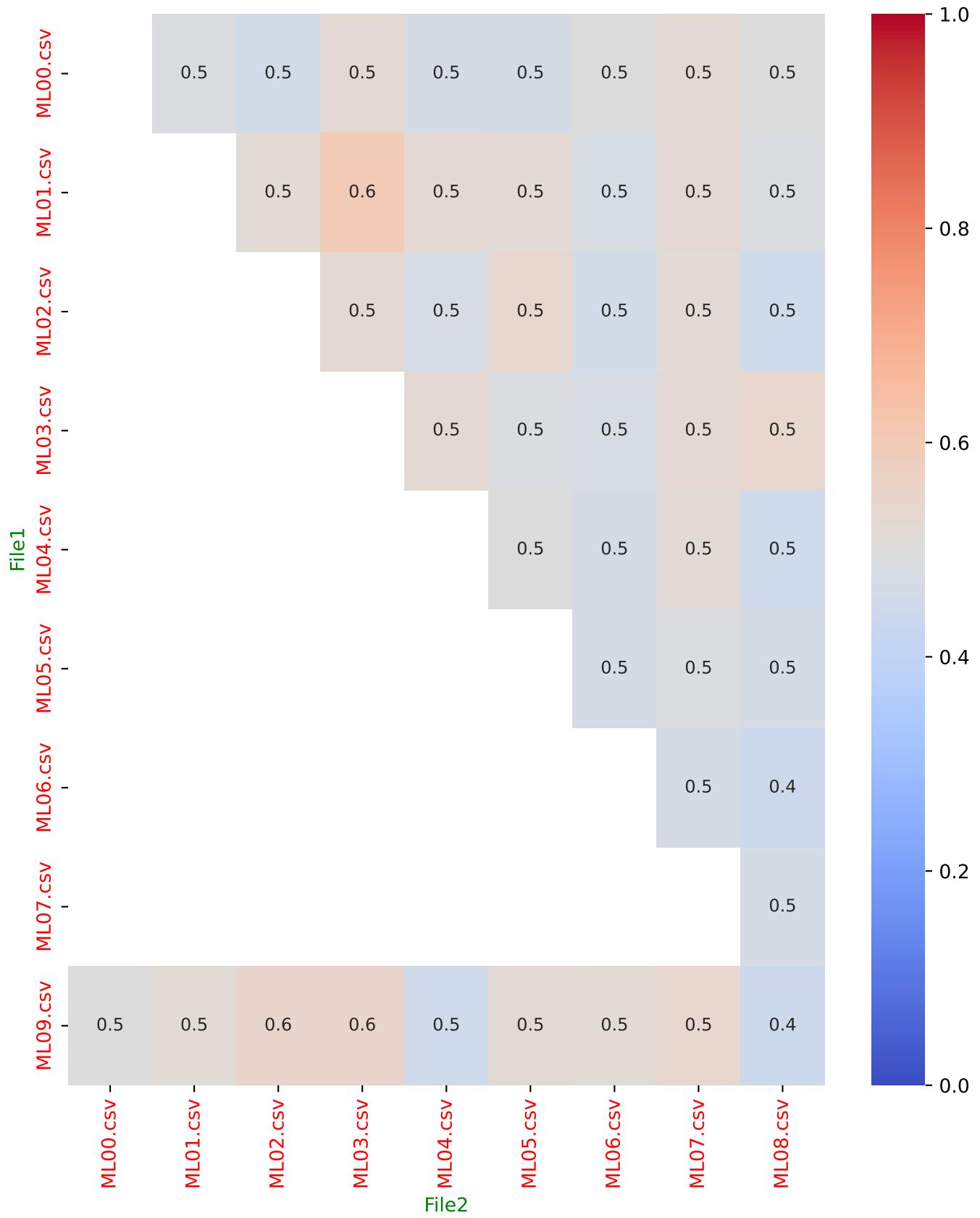


Implementation Number 107

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

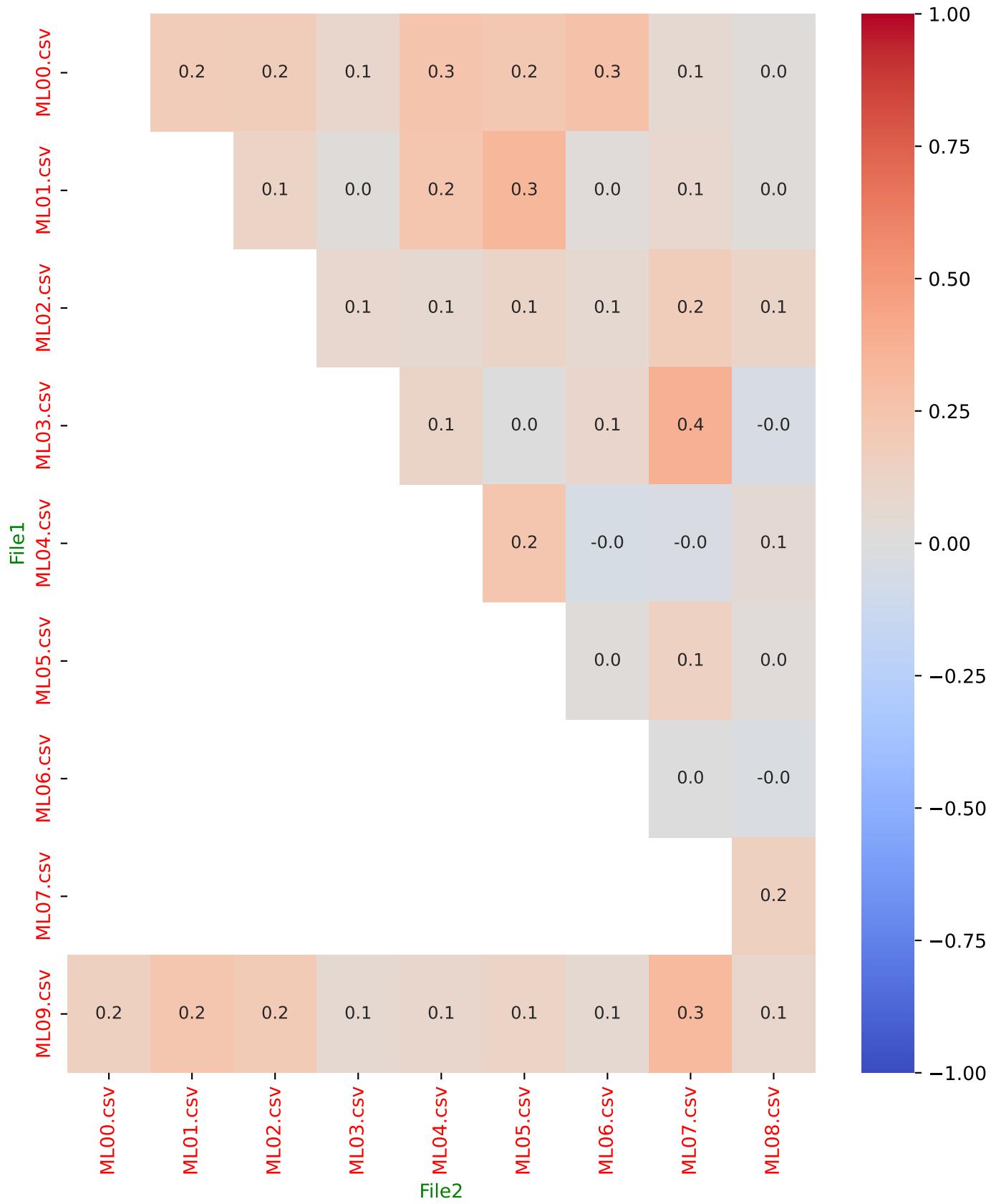


Implementation Number 107

Parameters: Top_N = 100
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 108

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 200
Number of Files: 10**

Implementation Number 108

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 108

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

Implementation Number 108

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
050.00 %	BAKON_615	00, 01, 05, 07, 08
100.00 %	BAKON_406	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
050.00 %	BAKON_236	00, 04, 06, 08, 09
080.00 %	BAKON_509	00, 01, 03, 04, 06, 07, 08, 09
090.00 %	BAKON_124	00, 01, 02, 03, 04, 06, 07, 08, 09
100.00 %	BAKON_259	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
070.00 %	BAKON_595	00, 01, 02, 03, 04, 06, 09
090.00 %	BAKON_440	00, 01, 02, 03, 04, 05, 06, 08, 09
060.00 %	BAKON_180	00, 01, 03, 04, 05, 09
100.00 %	BAKON_186	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_366	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_006	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_137	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
080.00 %	BAKON_606	00, 01, 02, 03, 05, 07, 08, 09
100.00 %	BAKON_396	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_376	00, 01, 02, 03, 04, 05, 06, 07, 08, 09
100.00 %	BAKON_143	00, 01, 02, 03, 04, 05, 06, 07, 08, 09

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Global node Presence Mean (Weighted): 72.97%

Implementation Number 108

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML09.csv	ML00.csv	0.5625	0.7200	0.7934	0.1749
ML09.csv	ML01.csv	0.5326	0.6950	0.0021	0.1629
ML09.csv	ML02.csv	0.5385	0.7000	0.3281	0.2492
ML09.csv	ML03.csv	0.5326	0.6950	0.1421	0.1808
ML09.csv	ML04.csv	0.5504	0.7100	0.8655	0.1544
ML09.csv	ML05.csv	0.5564	0.7150	0.5453	0.3235
ML09.csv	ML06.csv	0.5444	0.7050	0.3281	0.2446
ML09.csv	ML07.csv	0.5444	0.7050	0.0043	0.2406
ML09.csv	ML08.csv	0.5444	0.7050	0.9647	0.1420
ML00.csv	ML01.csv	0.5936	0.7450	0.0061	0.1675
ML00.csv	ML02.csv	0.5625	0.7200	0.1779	0.1517
ML00.csv	ML03.csv	0.5385	0.7000	0.1779	0.2345
ML00.csv	ML04.csv	0.5385	0.7000	0.4663	0.2277
ML00.csv	ML05.csv	0.5748	0.7300	0.6284	0.2127
ML00.csv	ML06.csv	0.5748	0.7300	0.4663	0.1866
ML00.csv	ML07.csv	0.5504	0.7100	0.0085	0.1979
ML00.csv	ML08.csv	0.5444	0.7050	0.4663	0.1329
ML01.csv	ML02.csv	0.5686	0.7250	0.0085	0.2135
ML01.csv	ML03.csv	0.5094	0.6750	0.0878	0.2030
ML01.csv	ML04.csv	0.5504	0.7100	0.0061	0.2292
ML01.csv	ML05.csv	0.5936	0.7450	0.0001	0.2183
ML01.csv	ML06.csv	0.5326	0.6950	0.0043	0.1307
ML01.csv	ML07.csv	0.5038	0.6700	0.6284	0.2258
ML01.csv	ML08.csv	0.5152	0.6800	0.0004	0.1497
ML02.csv	ML03.csv	0.5444	0.7050	0.2205	0.2070
ML02.csv	ML04.csv	0.5094	0.6750	0.2705	0.2152
ML02.csv	ML05.csv	0.5564	0.7150	0.3935	0.2299
ML02.csv	ML06.csv	0.5038	0.6700	0.3935	0.1622
ML02.csv	ML07.csv	0.5038	0.6700	0.1123	0.2309
ML02.csv	ML08.csv	0.4981	0.6650	0.1123	0.2302
ML03.csv	ML04.csv	0.5748	0.7300	0.2205	0.1512
ML03.csv	ML05.csv	0.5810	0.7350	0.0521	0.1226
ML03.csv	ML06.csv	0.5444	0.7050	0.3281	0.2118
ML03.csv	ML07.csv	0.5209	0.6850	0.1421	0.2880
ML03.csv	ML08.csv	0.5326	0.6950	0.0680	0.1328

Implementation Number 108

Parameters: Top_N = 200

Number of files = 10

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML04.csv	ML05.csv	0.5326	0.6950	0.3935	0.1946
ML04.csv	ML06.csv	0.5504	0.7100	0.5453	0.0856
ML04.csv	ML07.csv	0.5038	0.6700	0.0297	0.2705
ML04.csv	ML08.csv	0.5038	0.6700	0.6284	0.1268
ML05.csv	ML06.csv	0.5094	0.6750	0.0680	0.1794
ML05.csv	ML07.csv	0.4981	0.6650	0.0021	0.2336
ML05.csv	ML08.csv	0.5504	0.7100	0.3935	0.1559
ML06.csv	ML07.csv	0.5444	0.7050	0.0163	0.1284
ML06.csv	ML08.csv	0.4870	0.6550	0.5453	0.0453
ML07.csv	ML08.csv	0.5267	0.6900	0.0043	0.1692

Global Metrics:

Mean Jaccard Coefficient (J): 0.5385

Fleiss' Kappa Agreement Index (κ_F): 0.2992

Mean KS Distance Between Pairs (D): 0.1190

Mean p-value for KS Test Pairs: 0.2677

Mean KS Distance for Multiple Samples (D_{mult}): 0.0788

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.3711

Mean Kendall Tau ($\bar{\tau}$): 0.1895

Median Kendall Tau ($\tilde{\tau}$): 0.1946

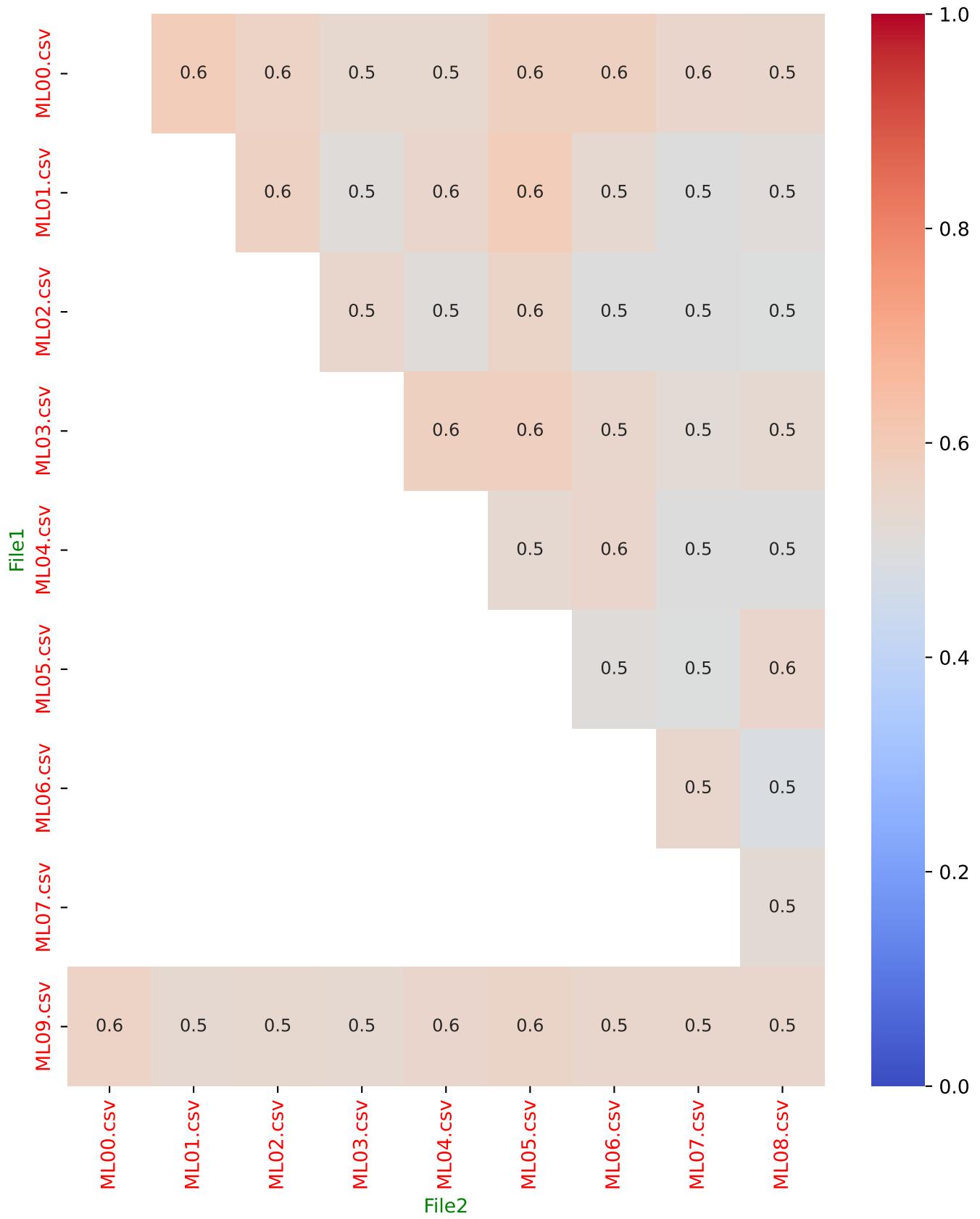
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 108

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

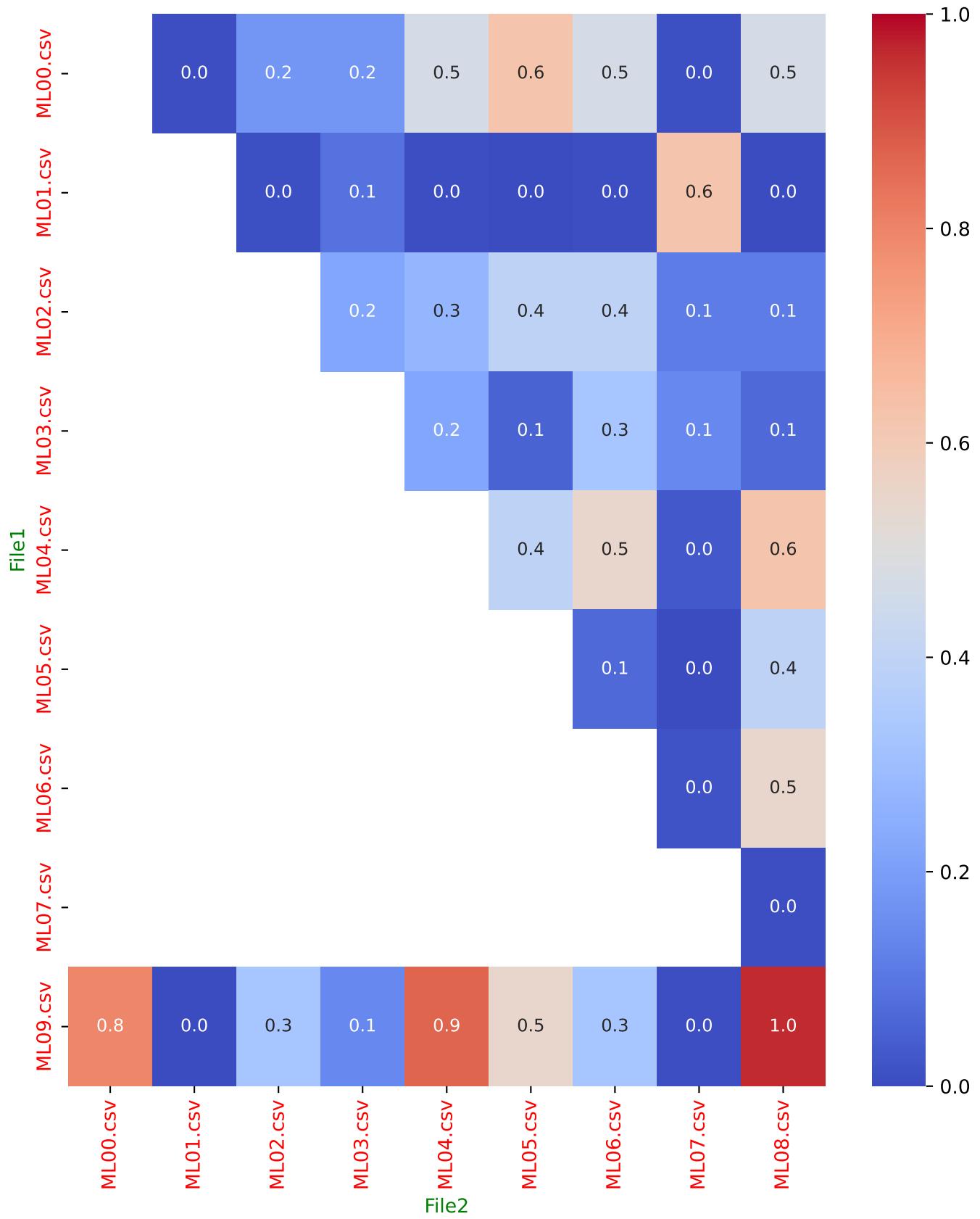


Implementation Number 108

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

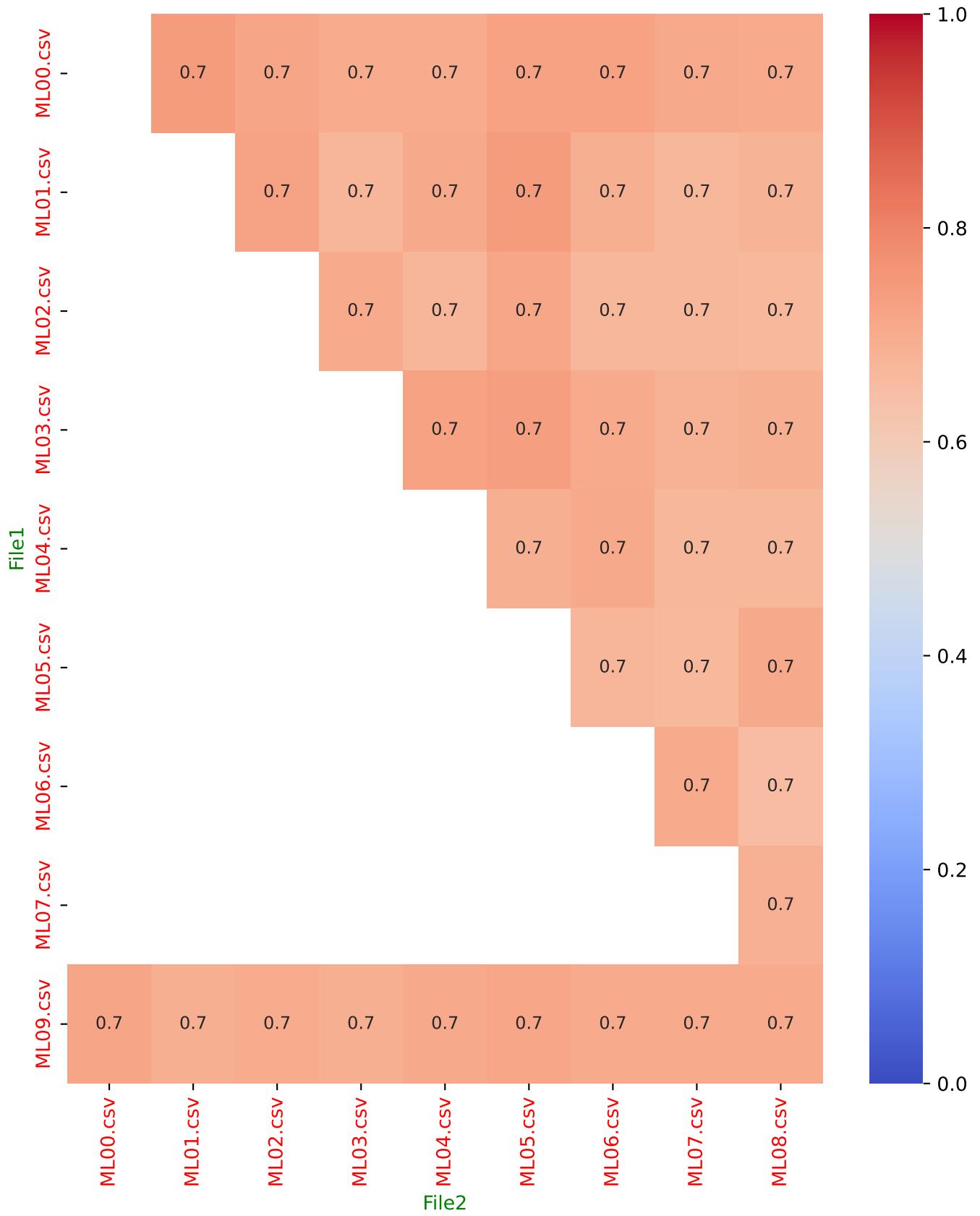


Implementation Number 108

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

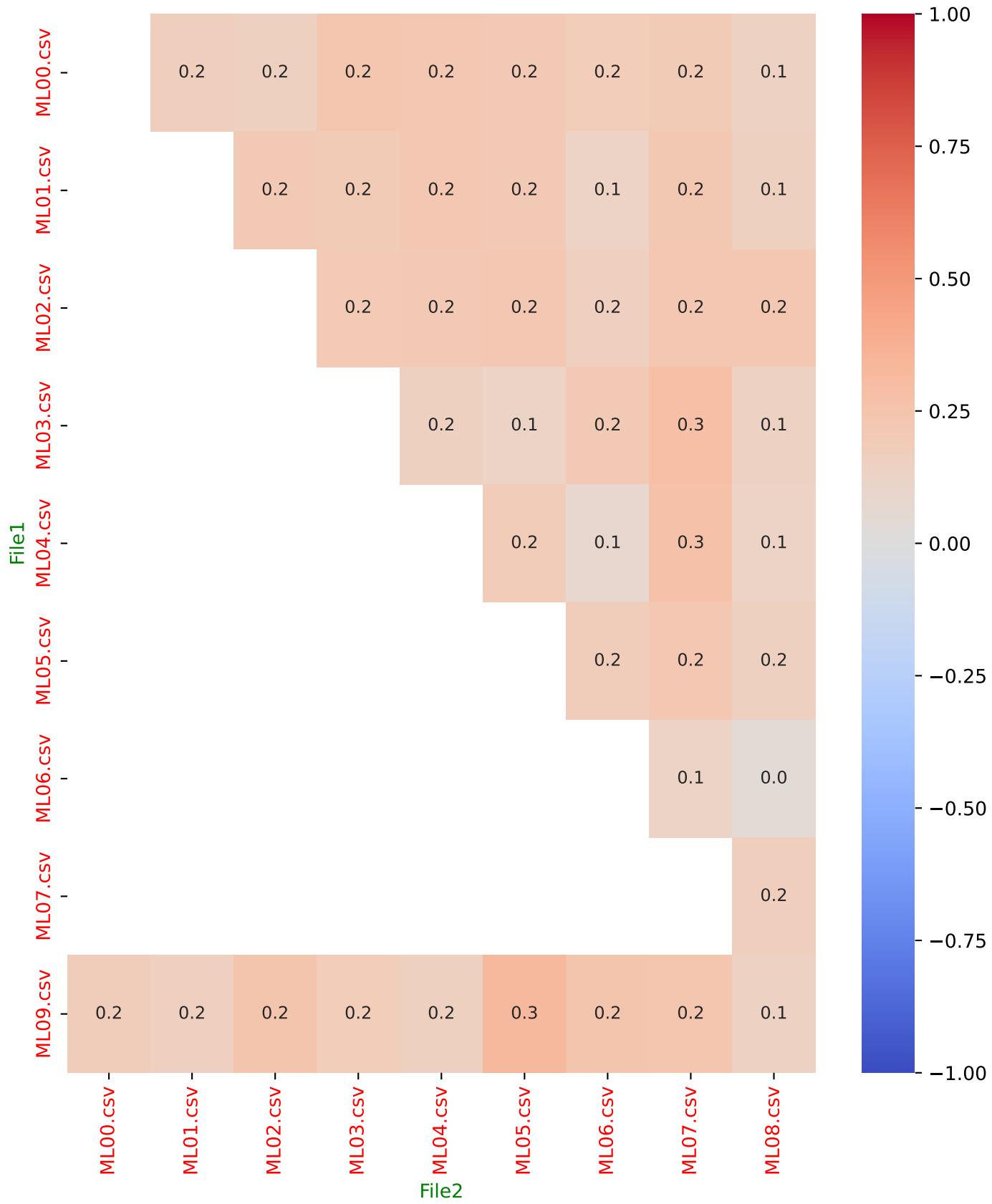


Implementation Number 108

Parameters: Top_N = 200
Number of files = 10

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 109

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 10
Number of Files: 20

Implementation Number 109

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 109

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 109

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
055.00 %	BAKON_478	00, 01, 02, 03, 07, 10, 11, 14, 15, 17, 18
010.00 %	BAKON_571	00, 08
025.00 %	BAKON_126	00, 03, 06, 11, 12
020.00 %	BAKON_276	00, 09, 12, 15
050.00 %	BAKON_130	00, 02, 04, 05, 06, 07, 09, 12, 14, 18
005.00 %	BAKON_125	00
060.00 %	BAKON_084	00, 02, 03, 04, 08, 09, 10, 11, 12, 15, 16, 19
005.00 %	BAKON_273	00
030.00 %	BAKON_133	00, 08, 09, 12, 14, 18
020.00 %	BAKON_470	00, 02, 10, 16
035.00 %	BAKON_212	01, 04, 08, 09, 13, 18, 19
015.00 %	BAKON_373	01, 15, 19
020.00 %	BAKON_374	01, 06, 13, 15
030.00 %	BAKON_211	01, 03, 04, 10, 11, 15
035.00 %	BAKON_209	01, 02, 03, 04, 05, 08, 14
025.00 %	BAKON_083	01, 12, 15, 17, 19
010.00 %	BAKON_398	01, 11
035.00 %	BAKON_437	01, 02, 04, 08, 09, 10, 17
015.00 %	BAKON_377	01, 15, 18
020.00 %	BAKON_160	02, 03, 05, 07
030.00 %	BAKON_082	02, 04, 10, 14, 16, 17
035.00 %	BAKON_085	02, 04, 07, 10, 12, 13, 17
005.00 %	BAKON_153	02
020.00 %	BAKON_572	03, 06, 07, 15

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Global node Presence Mean (Weighted): 27.55%

Implementation Number 109

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.0526	0.1000	0.0000	nan
ML19.csv	ML01.csv	0.2500	0.4000	1.0000	1.0000
ML19.csv	ML02.csv	0.1765	0.3000	0.0000	0.3333
ML19.csv	ML03.csv	0.1111	0.2000	0.0123	nan
ML19.csv	ML04.csv	0.0526	0.1000	0.0002	nan
ML19.csv	ML05.csv	0.1111	0.2000	0.0000	1.0000
ML19.csv	ML06.csv	0.1111	0.2000	0.1678	-1.0000
ML19.csv	ML07.csv	0.1765	0.3000	0.9945	-1.0000
ML19.csv	ML08.csv	0.2500	0.4000	0.0000	-0.5774
ML19.csv	ML09.csv	0.1765	0.3000	0.0000	1.0000
ML19.csv	ML10.csv	0.1765	0.3000	0.0000	0.8165
ML19.csv	ML11.csv	0.3333	0.5000	0.0002	0.0000
ML19.csv	ML12.csv	0.0000	0.0000	0.0000	nan
ML19.csv	ML13.csv	0.1765	0.3000	0.0000	0.0000
ML19.csv	ML14.csv	0.1765	0.3000	0.0002	0.8165
ML19.csv	ML15.csv	0.1111	0.2000	0.0000	nan
ML19.csv	ML16.csv	0.0526	0.1000	0.0524	nan
ML19.csv	ML17.csv	0.1765	0.3000	0.0002	0.8165
ML19.csv	ML18.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML01.csv	0.1765	0.3000	0.0000	1.0000
ML00.csv	ML02.csv	0.1765	0.3000	0.0021	1.0000
ML00.csv	ML03.csv	0.2500	0.4000	0.0000	0.9129
ML00.csv	ML04.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML05.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML06.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML07.csv	0.1765	0.3000	0.0000	-0.8165
ML00.csv	ML08.csv	0.1111	0.2000	0.4175	1.0000
ML00.csv	ML09.csv	0.1765	0.3000	0.0000	1.0000
ML00.csv	ML10.csv	0.1765	0.3000	0.0002	0.8165
ML00.csv	ML11.csv	0.0526	0.1000	0.0524	nan
ML00.csv	ML12.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML13.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML14.csv	0.4286	0.6000	0.0002	0.8040
ML00.csv	ML15.csv	0.0000	0.0000	0.4175	nan
ML00.csv	ML16.csv	0.1765	0.3000	0.0002	0.8165

Implementation Number 109

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.1765	0.3000	0.4175	0.3333
ML00.csv	ML18.csv	0.1765	0.3000	0.0000	0.3333
ML01.csv	ML02.csv	0.2500	0.4000	0.0000	0.4000
ML01.csv	ML03.csv	0.4286	0.6000	0.0021	-0.7071
ML01.csv	ML04.csv	0.1765	0.3000	0.0002	nan
ML01.csv	ML05.csv	0.0526	0.1000	0.0000	nan
ML01.csv	ML06.csv	0.2500	0.4000	0.4175	-0.4000
ML01.csv	ML07.csv	0.1765	0.3000	1.0000	nan
ML01.csv	ML08.csv	0.1765	0.3000	0.0000	nan
ML01.csv	ML09.csv	0.4286	0.6000	0.0000	0.3015
ML01.csv	ML10.csv	0.1111	0.2000	0.0000	1.0000
ML01.csv	ML11.csv	0.1765	0.3000	0.0002	nan
ML01.csv	ML12.csv	0.0526	0.1000	0.0000	nan
ML01.csv	ML13.csv	0.2500	0.4000	0.0000	-0.2000
ML01.csv	ML14.csv	0.1111	0.2000	0.0002	1.0000

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1401

Fleiss' Kappa Agreement Index (κ_F): 0.0878

Mean KS Distance Between Pairs (D): 0.8616

Mean p-value for KS Test Pairs: 0.0789

Mean KS Distance for Multiple Samples (D_{mult}): 0.6205

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0175

Mean Kendall Tau ($\bar{\tau}$): 0.2225

Median Kendall Tau ($\tilde{\tau}$): 0.5000

Percentage of Pairs with $\tau > 0$: 36.32%

Implementation Number 109

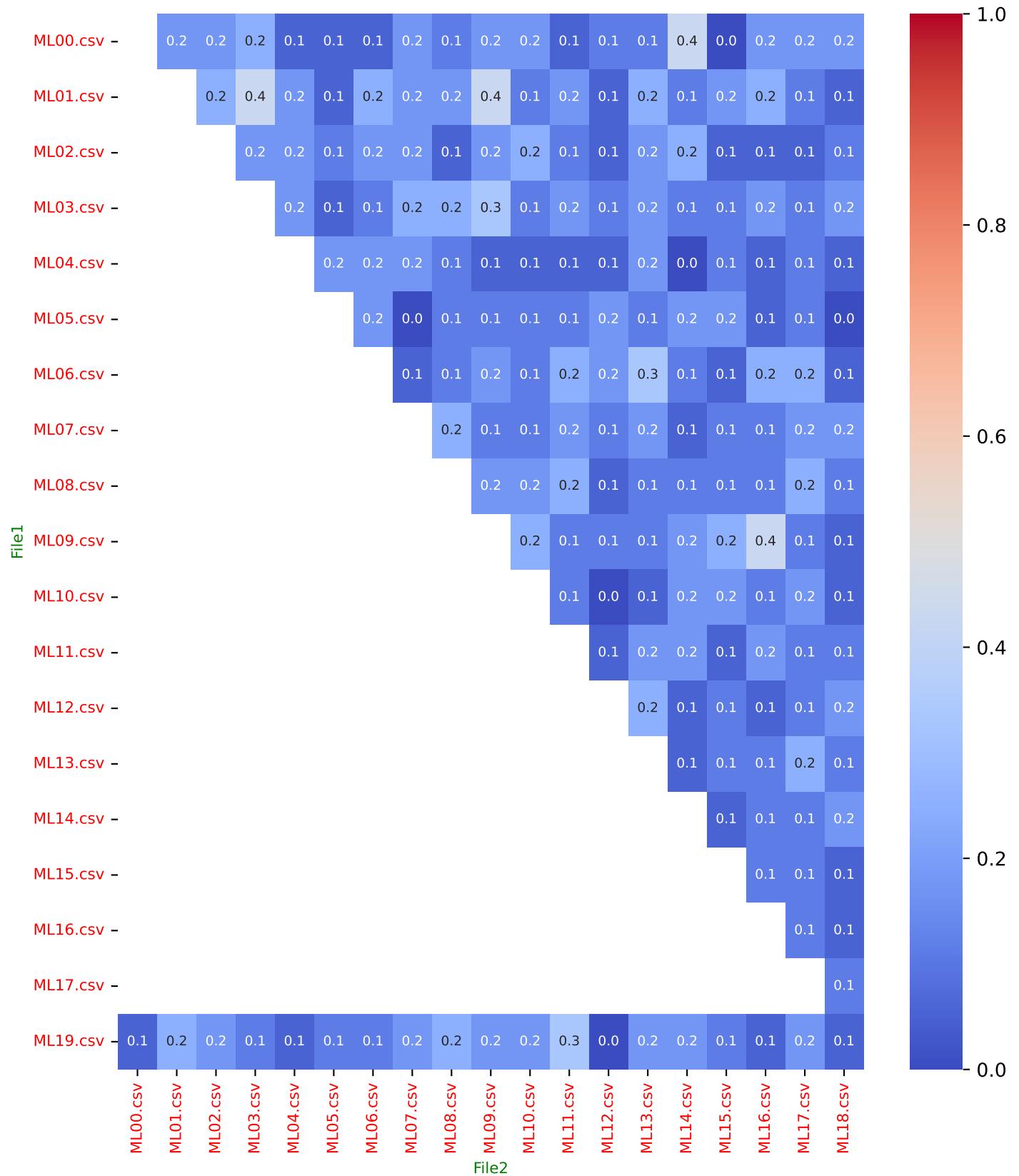
Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Heatmap of Jaccard Coefficient

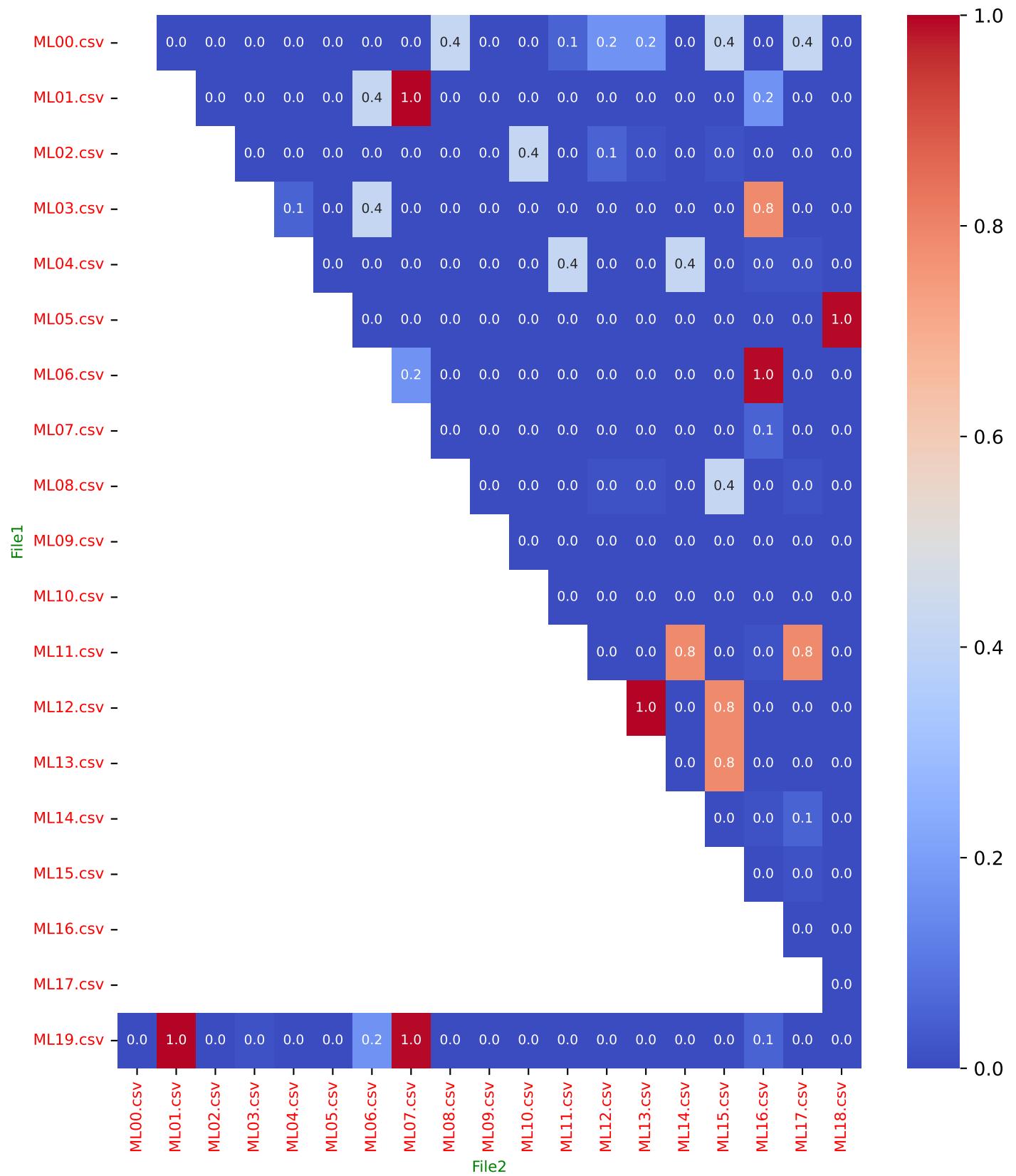


Implementation Number 109

Parameters: Top_N = 10
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)



Implementation Number 109

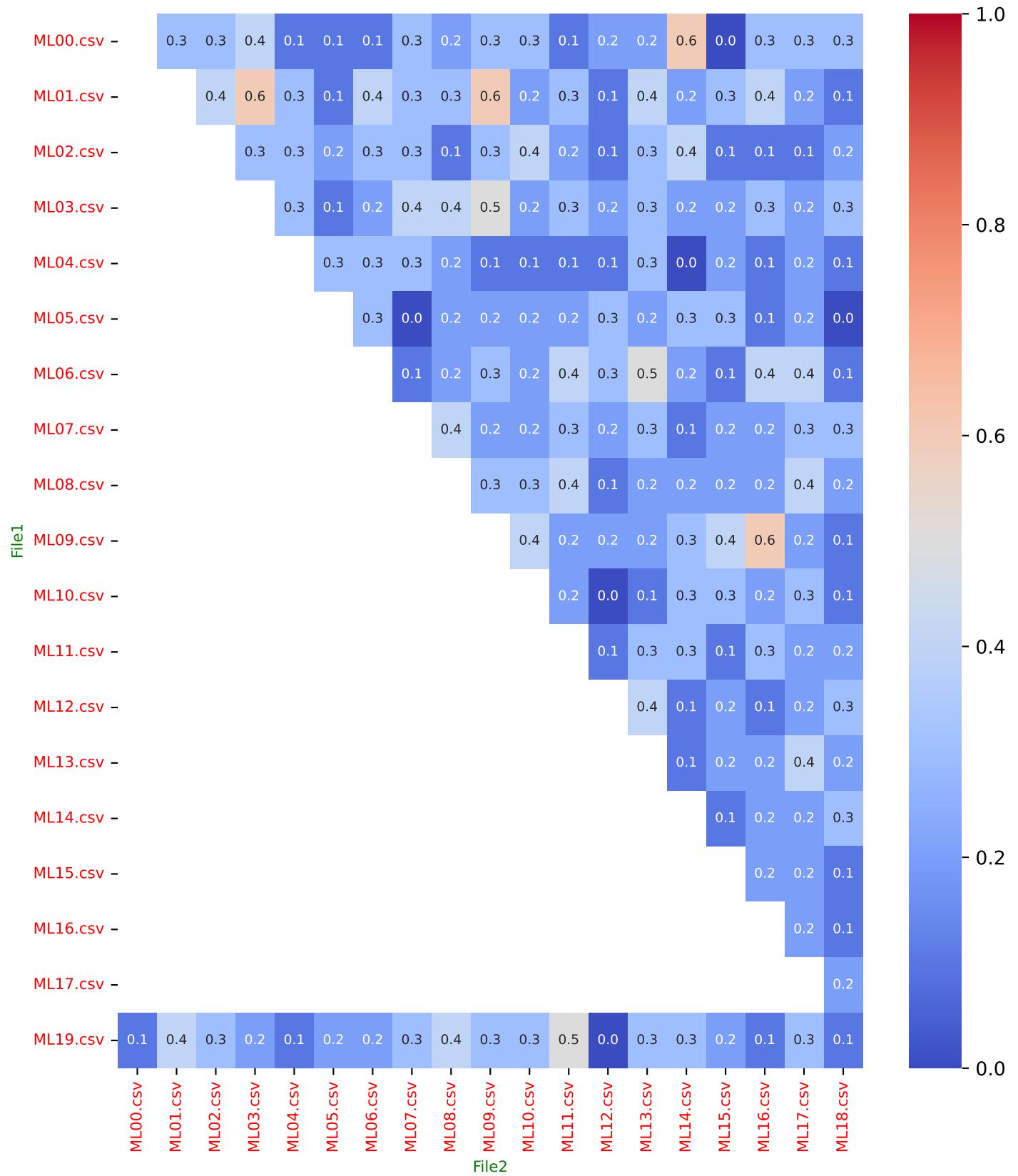
Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Heatmap of Overlap Coefficient

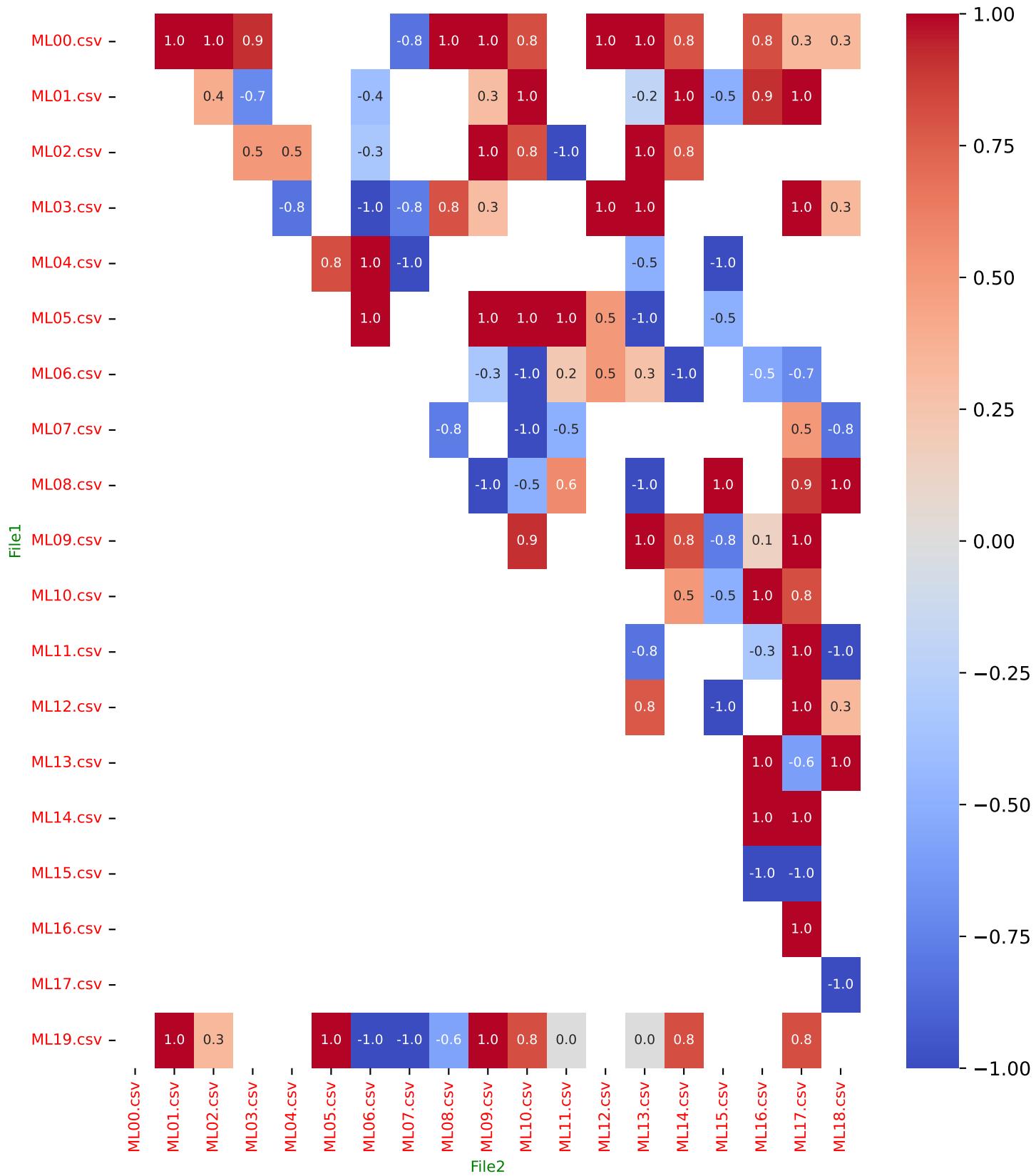


Implementation Number 109

Parameters: Top_N = 10
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 110

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 20
Number of Files: 20

Implementation Number 110

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 110

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 110

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
060.00 %	BAKON_478	00, 01, 02, 03, 07, 10, 11, 14, 15, 17, 18, 19
035.00 %	BAKON_571	00, 01, 07, 08, 09, 13, 17
035.00 %	BAKON_126	00, 02, 03, 06, 09, 11, 12
030.00 %	BAKON_276	00, 09, 11, 12, 15, 18
065.00 %	BAKON_130	00, 02, 03, 04, 05, 06, 07, 09, 11, 12, 14, 17, 18
015.00 %	BAKON_125	00, 11, 17
085.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 18, 19
015.00 %	BAKON_273	00, 08, 10
040.00 %	BAKON_133	00, 05, 08, 09, 12, 14, 18, 19
025.00 %	BAKON_470	00, 02, 07, 10, 16
015.00 %	BAKON_059	00, 14, 16
060.00 %	BAKON_085	00, 02, 03, 04, 07, 09, 10, 12, 13, 14, 17, 19
020.00 %	BAKON_190	00, 03, 12, 14
035.00 %	BAKON_199	00, 10, 11, 13, 15, 17, 19
015.00 %	BAKON_035	00, 04, 05
055.00 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 16, 17, 18
015.00 %	BAKON_140	00, 07, 09
005.00 %	BAKON_032	00
015.00 %	BAKON_191	00, 12, 19
005.00 %	BAKON_037	00
035.00 %	BAKON_212	01, 04, 08, 09, 13, 18, 19
030.00 %	BAKON_373	01, 02, 06, 14, 15, 19
030.00 %	BAKON_374	01, 05, 06, 13, 15, 18

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Global node Presence Mean (Weighted): 35.08%

Implementation Number 110

Parameters: Top_N = 20
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.0811	0.1500	0.0000	0.3333
ML19.csv	ML01.csv	0.1765	0.3000	0.9831	0.0962
ML19.csv	ML02.csv	0.1765	0.3000	0.0000	0.4811
ML19.csv	ML03.csv	0.1111	0.2000	0.0011	0.7746
ML19.csv	ML04.csv	0.1429	0.2500	0.0000	-1.0000
ML19.csv	ML05.csv	0.1111	0.2000	0.0000	-0.1826
ML19.csv	ML06.csv	0.2121	0.3500	0.1745	-0.4384
ML19.csv	ML07.csv	0.1111	0.2000	1.0000	-0.2582
ML19.csv	ML08.csv	0.2903	0.4500	0.0000	-0.1853
ML19.csv	ML09.csv	0.2121	0.3500	0.0000	-0.1260
ML19.csv	ML10.csv	0.2500	0.4000	0.0000	0.2275
ML19.csv	ML11.csv	0.2903	0.4500	0.0000	0.5769
ML19.csv	ML12.csv	0.1111	0.2000	0.0000	-0.4000
ML19.csv	ML13.csv	0.1765	0.3000	0.0000	0.4811
ML19.csv	ML14.csv	0.1111	0.2000	0.0000	0.9129
ML19.csv	ML15.csv	0.1111	0.2000	0.0000	0.2357
ML19.csv	ML16.csv	0.2121	0.3500	0.0123	0.0556
ML19.csv	ML17.csv	0.1765	0.3000	0.0000	0.1601
ML19.csv	ML18.csv	0.1765	0.3000	0.0000	0.2010
ML00.csv	ML01.csv	0.2500	0.4000	0.0000	0.1334
ML00.csv	ML02.csv	0.1429	0.2500	0.0000	0.9487
ML00.csv	ML03.csv	0.1765	0.3000	0.0000	0.6405
ML00.csv	ML04.csv	0.1429	0.2500	0.0011	-0.6667
ML00.csv	ML05.csv	0.1429	0.2500	0.0000	0.5303
ML00.csv	ML06.csv	0.2121	0.3500	0.0000	-0.0937
ML00.csv	ML07.csv	0.2903	0.4500	0.0000	0.5013
ML00.csv	ML08.csv	0.1429	0.2500	0.0811	0.8889
ML00.csv	ML09.csv	0.2121	0.3500	0.0000	0.8333
ML00.csv	ML10.csv	0.1429	0.2500	0.0000	0.4444
ML00.csv	ML11.csv	0.1111	0.2000	0.0811	0.0000
ML00.csv	ML12.csv	0.1765	0.3000	0.0040	0.8807
ML00.csv	ML13.csv	0.1429	0.2500	0.0001	0.3536
ML00.csv	ML14.csv	0.2500	0.4000	0.0040	0.7233
ML00.csv	ML15.csv	0.1429	0.2500	0.0811	-0.5040
ML00.csv	ML16.csv	0.2121	0.3500	0.0000	0.6860

Implementation Number 110

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.2121	0.3500	0.5713	0.6396
ML00.csv	ML18.csv	0.1765	0.3000	0.0000	0.5401
ML01.csv	ML02.csv	0.3333	0.5000	0.0000	0.4582
ML01.csv	ML03.csv	0.2903	0.4500	0.0040	0.4364
ML01.csv	ML04.csv	0.2121	0.3500	0.0000	0.5103
ML01.csv	ML05.csv	0.2903	0.4500	0.0000	-0.4256
ML01.csv	ML06.csv	0.2500	0.4000	0.0123	-0.0910
ML01.csv	ML07.csv	0.2121	0.3500	1.0000	0.3125
ML01.csv	ML08.csv	0.1765	0.3000	0.0000	0.0000
ML01.csv	ML09.csv	0.3333	0.5000	0.0000	0.4125
ML01.csv	ML10.csv	0.1765	0.3000	0.0000	-0.0769
ML01.csv	ML11.csv	0.2500	0.4000	0.0000	-0.5129
ML01.csv	ML12.csv	0.2121	0.3500	0.0000	-0.0645
ML01.csv	ML13.csv	0.3333	0.5000	0.0000	0.4183
ML01.csv	ML14.csv	0.2500	0.4000	0.0000	0.2003

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1913

Fleiss' Kappa Agreement Index (κ_F): 0.1413

Mean KS Distance Between Pairs (D): 0.8429

Mean p-value for KS Test Pairs: 0.0615

Mean KS Distance for Multiple Samples (D_{mult}): 0.6020

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0038

Mean Kendall Tau ($\bar{\tau}$): 0.1853

Median Kendall Tau ($\tilde{\tau}$): 0.2006

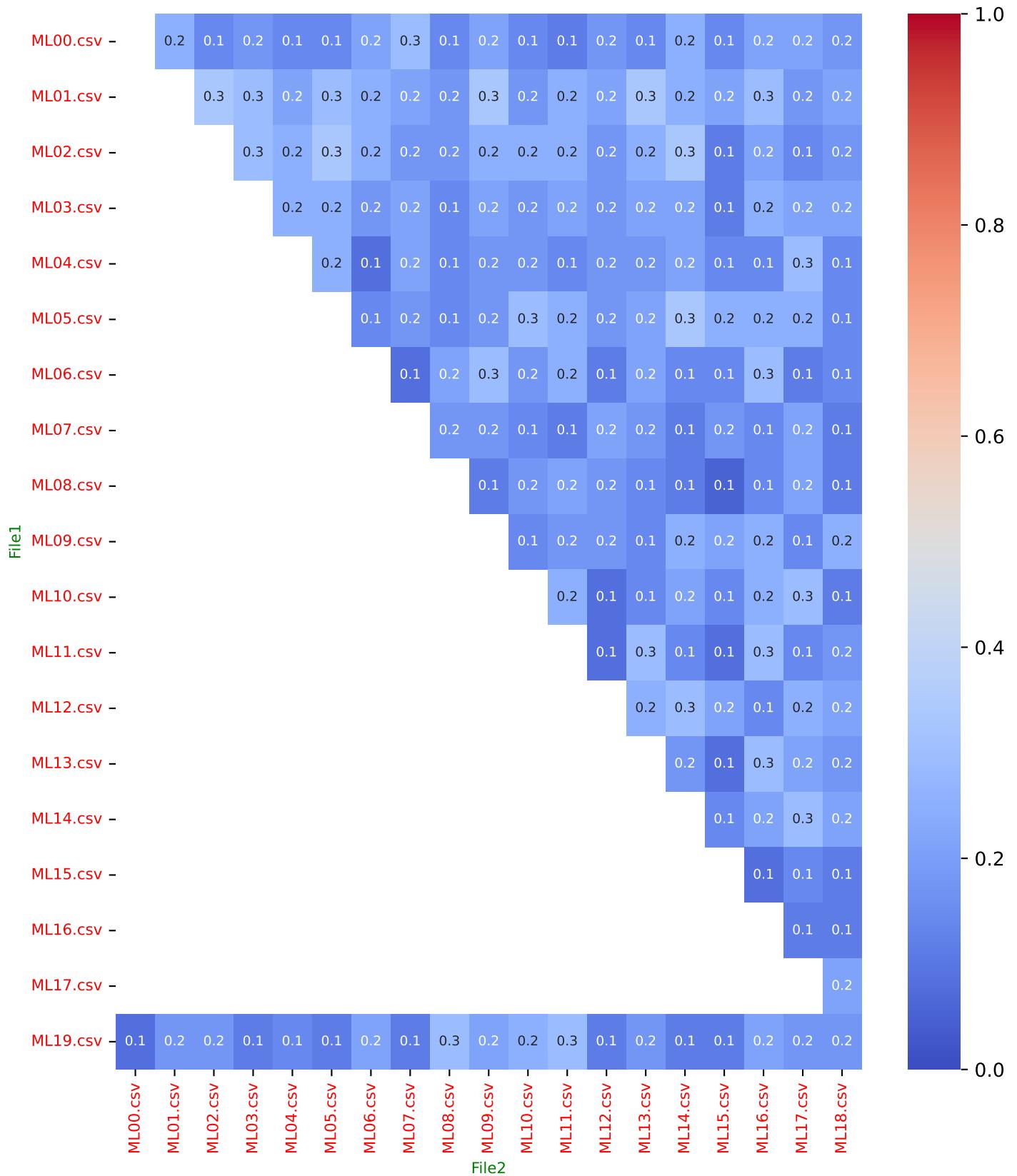
Percentage of Pairs with $\tau > 0$: 61.05%

Implementation Number 110

Parameters: Top_N = 20
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

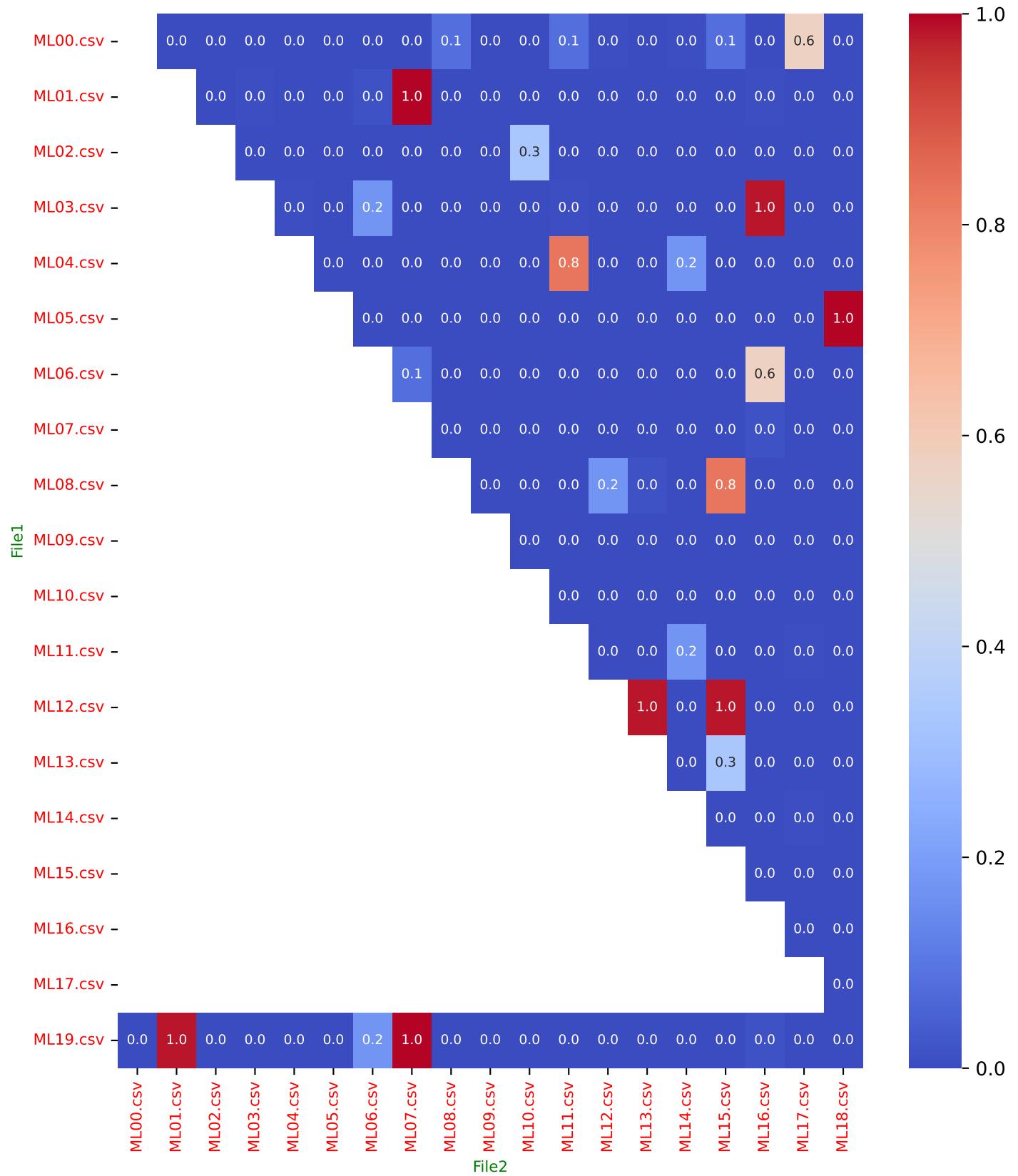


Implementation Number 110

Parameters: Top_N = 20
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

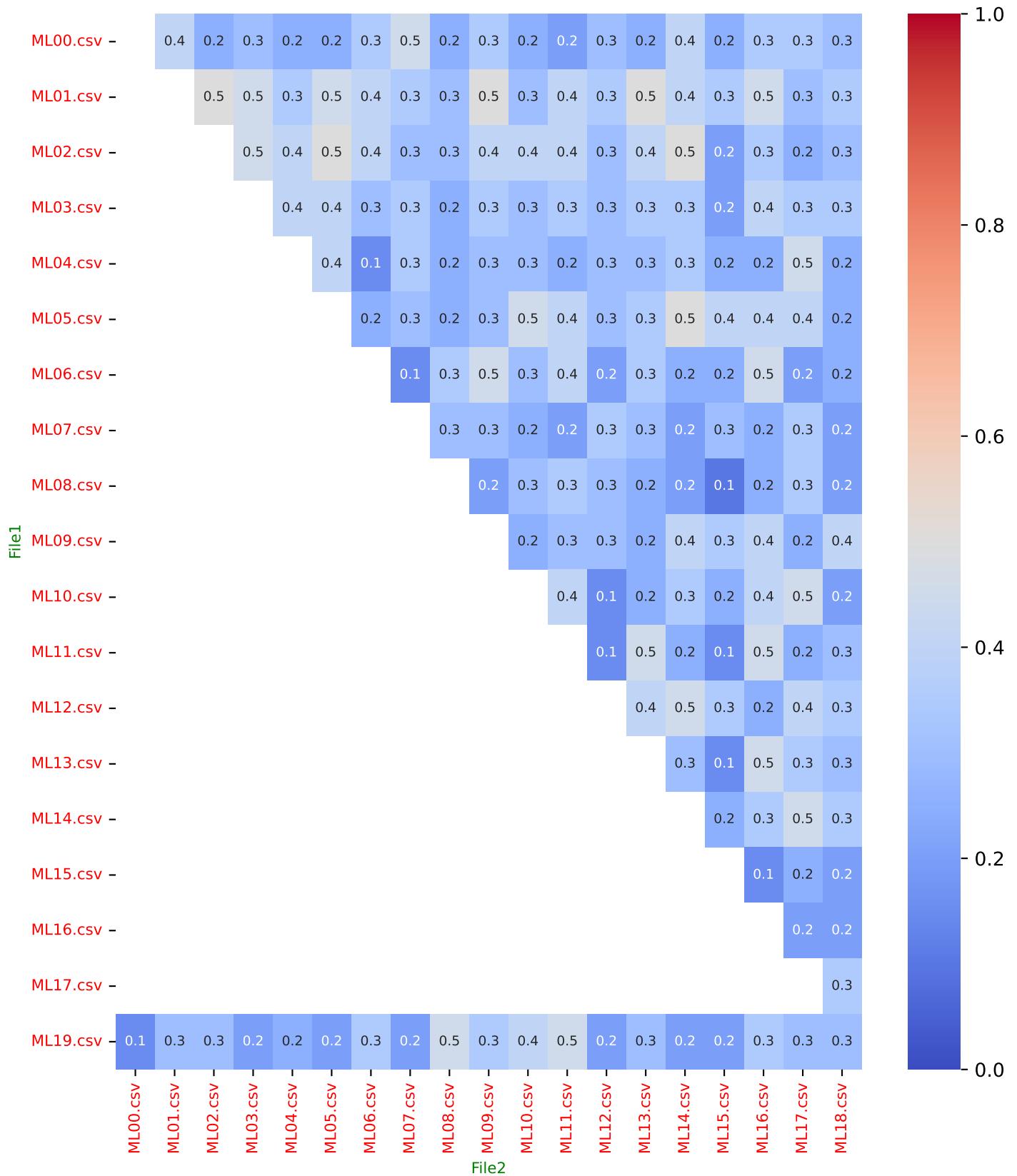


Implementation Number 110

Parameters: Top_N = 20
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

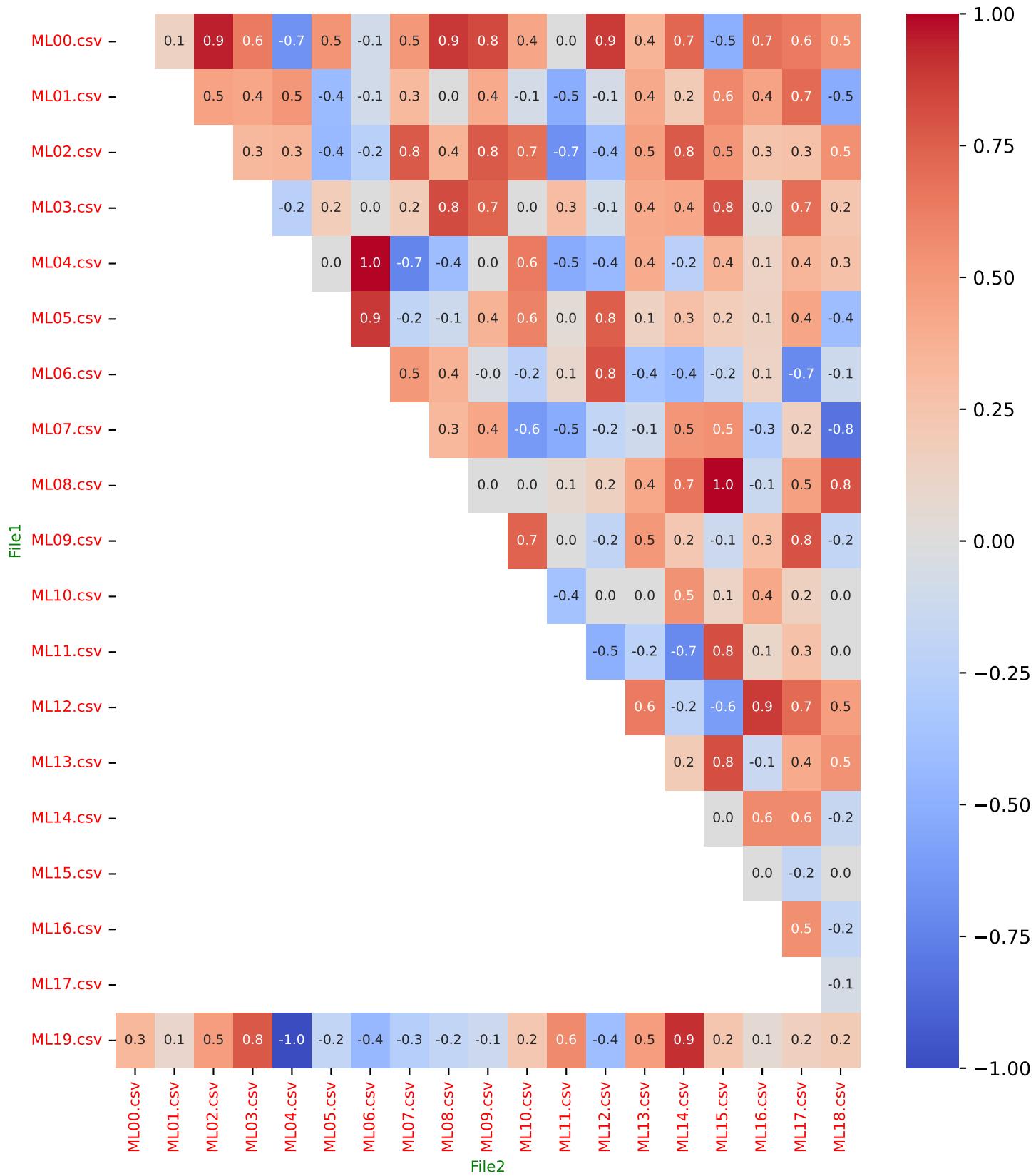


Implementation Number 110

Parameters: Top_N = 20
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 111

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 30
Number of Files: 20

Implementation Number 111

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 111

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 111

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
065.00 %	BAKON_478	00, 01, 02, 03, 04, 07, 10, 11, 14, 15, 17, 18, 19
040.00 %	BAKON_571	00, 01, 07, 08, 09, 13, 14, 17
055.00 %	BAKON_126	00, 02, 03, 04, 06, 07, 09, 11, 12, 15, 16
050.00 %	BAKON_276	00, 01, 05, 07, 08, 09, 11, 12, 15, 18
075.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 09, 11, 12, 14, 15, 17, 18
030.00 %	BAKON_125	00, 04, 11, 12, 17, 19
090.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19
025.00 %	BAKON_273	00, 08, 10, 12, 14
060.00 %	BAKON_133	00, 01, 02, 05, 08, 09, 12, 14, 15, 17, 18, 19
035.00 %	BAKON_470	00, 01, 02, 07, 10, 16, 17
015.00 %	BAKON_059	00, 14, 16
065.00 %	BAKON_085	00, 02, 03, 04, 07, 09, 10, 11, 12, 13, 14, 17, 19
035.00 %	BAKON_190	00, 01, 03, 06, 12, 14, 19
035.00 %	BAKON_199	00, 10, 11, 13, 15, 17, 19
025.00 %	BAKON_035	00, 03, 04, 05, 12
065.00 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 13, 14, 16, 17, 18
020.00 %	BAKON_140	00, 07, 09, 13
015.00 %	BAKON_032	00, 05, 17
020.00 %	BAKON_191	00, 06, 12, 19
010.00 %	BAKON_037	00, 15
030.00 %	BAKON_184	00, 06, 13, 14, 16, 18
060.00 %	BAKON_258	00, 02, 03, 05, 06, 10, 12, 13, 15, 16, 18, 19

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Global node Presence Mean (Weighted): 38.45%

Implementation Number 111

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	K_S_p	Kendall
ML19.csv	ML00.csv	0.2245	0.3667	0.0000	0.1221
ML19.csv	ML01.csv	0.2000	0.3333	0.5941	0.2390
ML19.csv	ML02.csv	0.2245	0.3667	0.0000	0.4534
ML19.csv	ML03.csv	0.1538	0.2667	0.0009	-0.3185
ML19.csv	ML04.csv	0.1765	0.3000	0.0000	-0.0818
ML19.csv	ML05.csv	0.2500	0.4000	0.0000	0.1489
ML19.csv	ML06.csv	0.2000	0.3333	0.3929	-0.5067
ML19.csv	ML07.csv	0.1538	0.2667	0.3929	0.4187
ML19.csv	ML08.csv	0.1765	0.3000	0.0000	-0.1853
ML19.csv	ML09.csv	0.2000	0.3333	0.0000	0.0942
ML19.csv	ML10.csv	0.2245	0.3667	0.0000	0.1522
ML19.csv	ML11.csv	0.3043	0.4667	0.0000	0.4783
ML19.csv	ML12.csv	0.2245	0.3667	0.0000	-0.2957
ML19.csv	ML13.csv	0.2245	0.3667	0.0000	0.0472
ML19.csv	ML14.csv	0.2766	0.4333	0.0000	0.2660
ML19.csv	ML15.csv	0.2000	0.3333	0.0000	0.0574
ML19.csv	ML16.csv	0.2766	0.4333	0.0009	-0.0170
ML19.csv	ML17.csv	0.1765	0.3000	0.0000	0.4234
ML19.csv	ML18.csv	0.1765	0.3000	0.0000	0.0456
ML00.csv	ML01.csv	0.3043	0.4667	0.0000	0.3000
ML00.csv	ML02.csv	0.2766	0.4333	0.0000	0.3622
ML00.csv	ML03.csv	0.2000	0.3333	0.0000	0.2308
ML00.csv	ML04.csv	0.2000	0.3333	0.0001	0.2100
ML00.csv	ML05.csv	0.1765	0.3000	0.0000	0.0000
ML00.csv	ML06.csv	0.2500	0.4000	0.0000	-0.2396
ML00.csv	ML07.csv	0.3333	0.5000	0.0000	0.1326
ML00.csv	ML08.csv	0.1765	0.3000	0.0065	0.4457
ML00.csv	ML09.csv	0.2245	0.3667	0.0000	0.6979
ML00.csv	ML10.csv	0.2000	0.3333	0.0000	0.3469
ML00.csv	ML11.csv	0.2000	0.3333	0.0001	-0.6275
ML00.csv	ML12.csv	0.2000	0.3333	0.0000	0.4579
ML00.csv	ML13.csv	0.2500	0.4000	0.0000	0.1495
ML00.csv	ML14.csv	0.3043	0.4667	0.0346	0.5598
ML00.csv	ML15.csv	0.1538	0.2667	0.0003	-0.5262
ML00.csv	ML16.csv	0.3043	0.4667	0.0000	0.2777

Implementation Number 111

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.3333	0.5000	0.8080	0.1501
ML00.csv	ML18.csv	0.2000	0.3333	0.0000	0.6149
ML01.csv	ML02.csv	0.3043	0.4667	0.0000	0.5790
ML01.csv	ML03.csv	0.3043	0.4667	0.0000	0.4218
ML01.csv	ML04.csv	0.2500	0.4000	0.0000	0.4709
ML01.csv	ML05.csv	0.2245	0.3667	0.0000	-0.0800
ML01.csv	ML06.csv	0.2245	0.3667	0.0709	0.3144
ML01.csv	ML07.csv	0.2500	0.4000	1.0000	0.3892
ML01.csv	ML08.csv	0.1765	0.3000	0.0000	0.2859
ML01.csv	ML09.csv	0.2766	0.4333	0.0000	0.5757
ML01.csv	ML10.csv	0.2245	0.3667	0.0000	-0.1628
ML01.csv	ML11.csv	0.2500	0.4000	0.0000	-0.0662
ML01.csv	ML12.csv	0.2500	0.4000	0.0000	-0.0834
ML01.csv	ML13.csv	0.3333	0.5000	0.0000	0.4185
ML01.csv	ML14.csv	0.2500	0.4000	0.0000	0.1895

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2161

Fleiss' Kappa Agreement Index (κ_F): 0.1670

Mean KS Distance Between Pairs (D): 0.8286

Mean p-value for KS Test Pairs: 0.0582

Mean KS Distance for Multiple Samples (D_{mult}): 0.5897

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0003

Mean Kendall Tau (τ): 0.1967

Median Kendall Tau ($\tilde{\tau}$): 0.2144

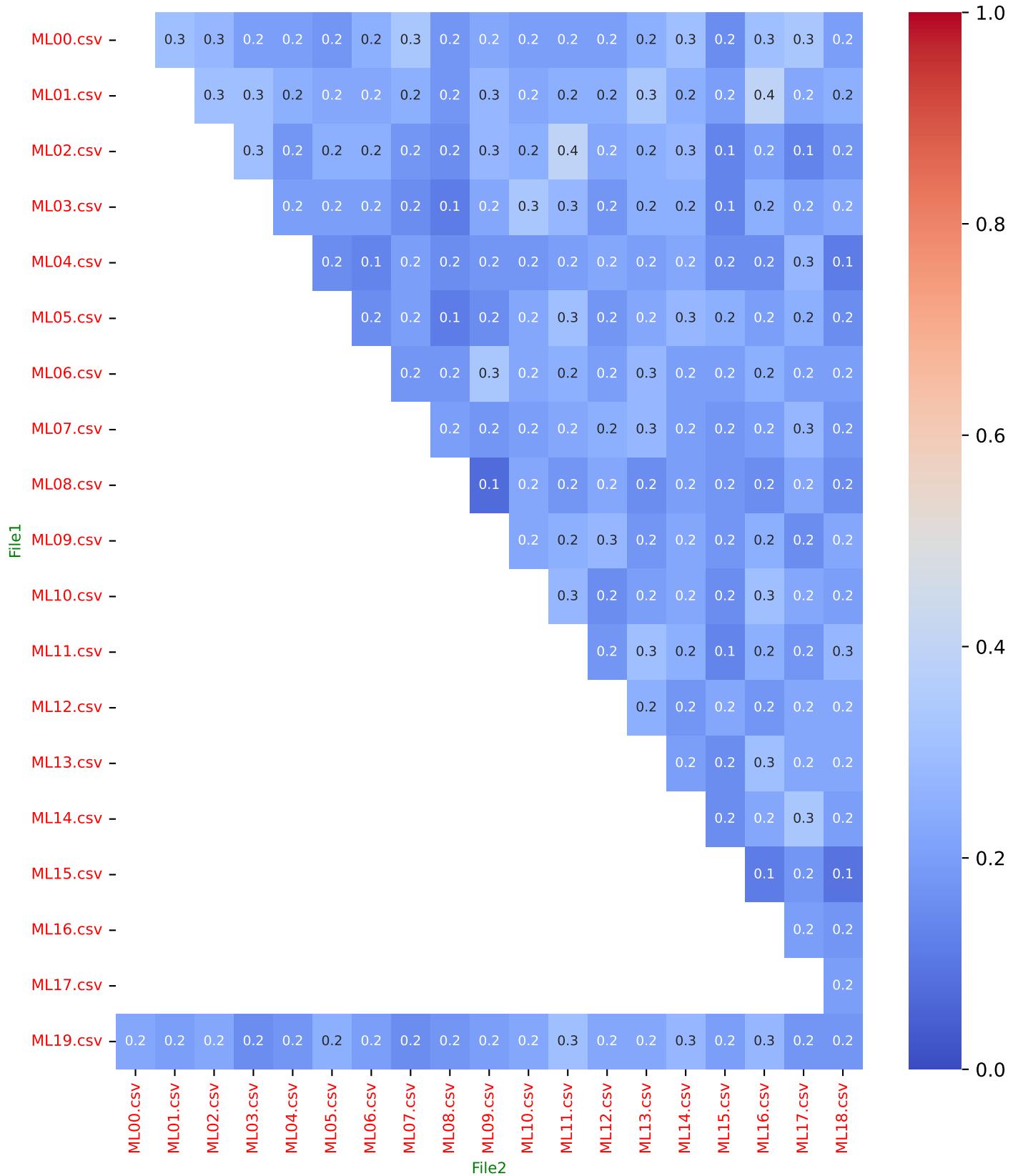
Percentage of Pairs with $\tau > 0$: 73.68%

Implementation Number 111

Parameters: Top_N = 30
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

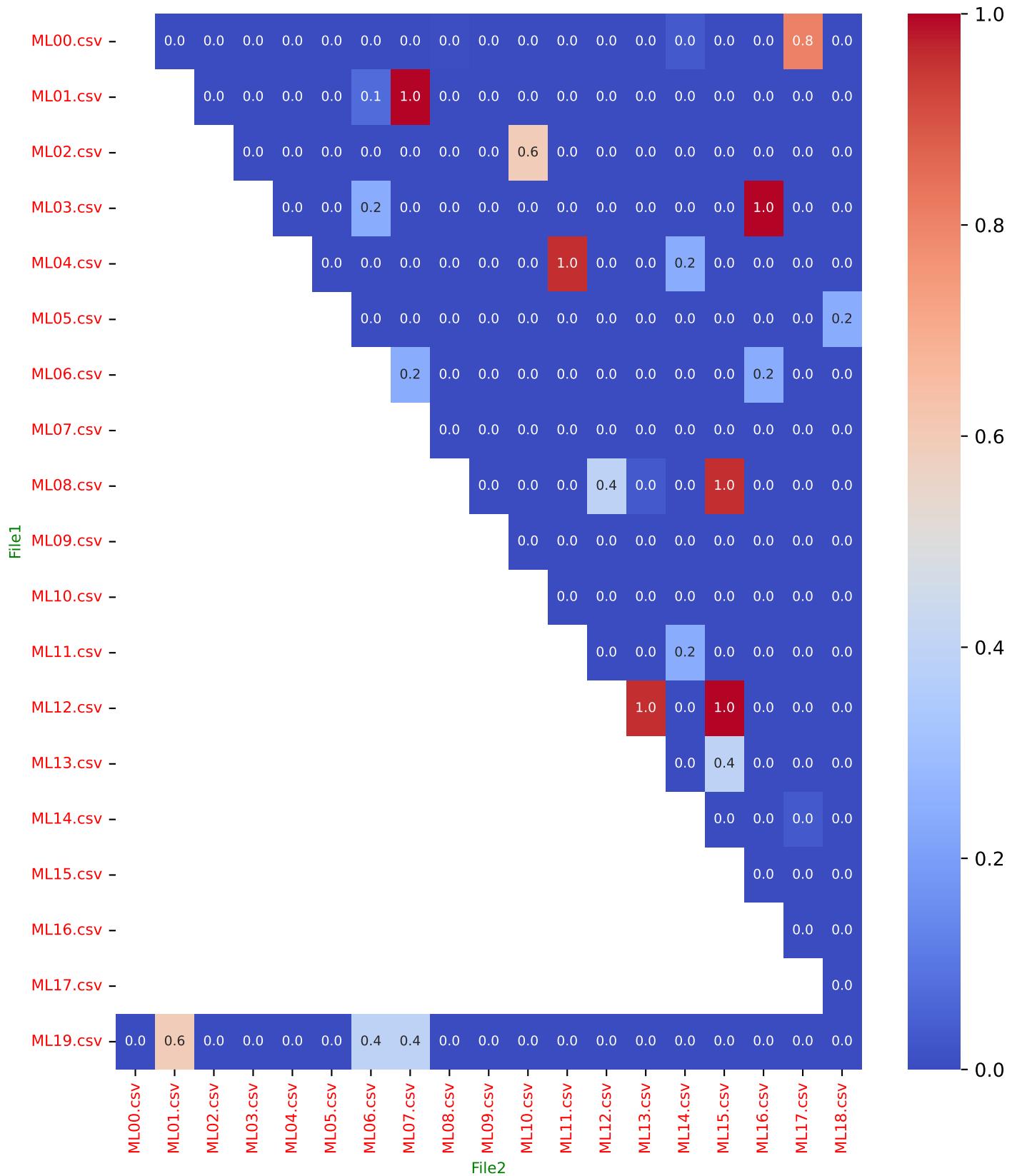


Implementation Number 111

Parameters: Top_N = 30
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)



Implementation Number 111

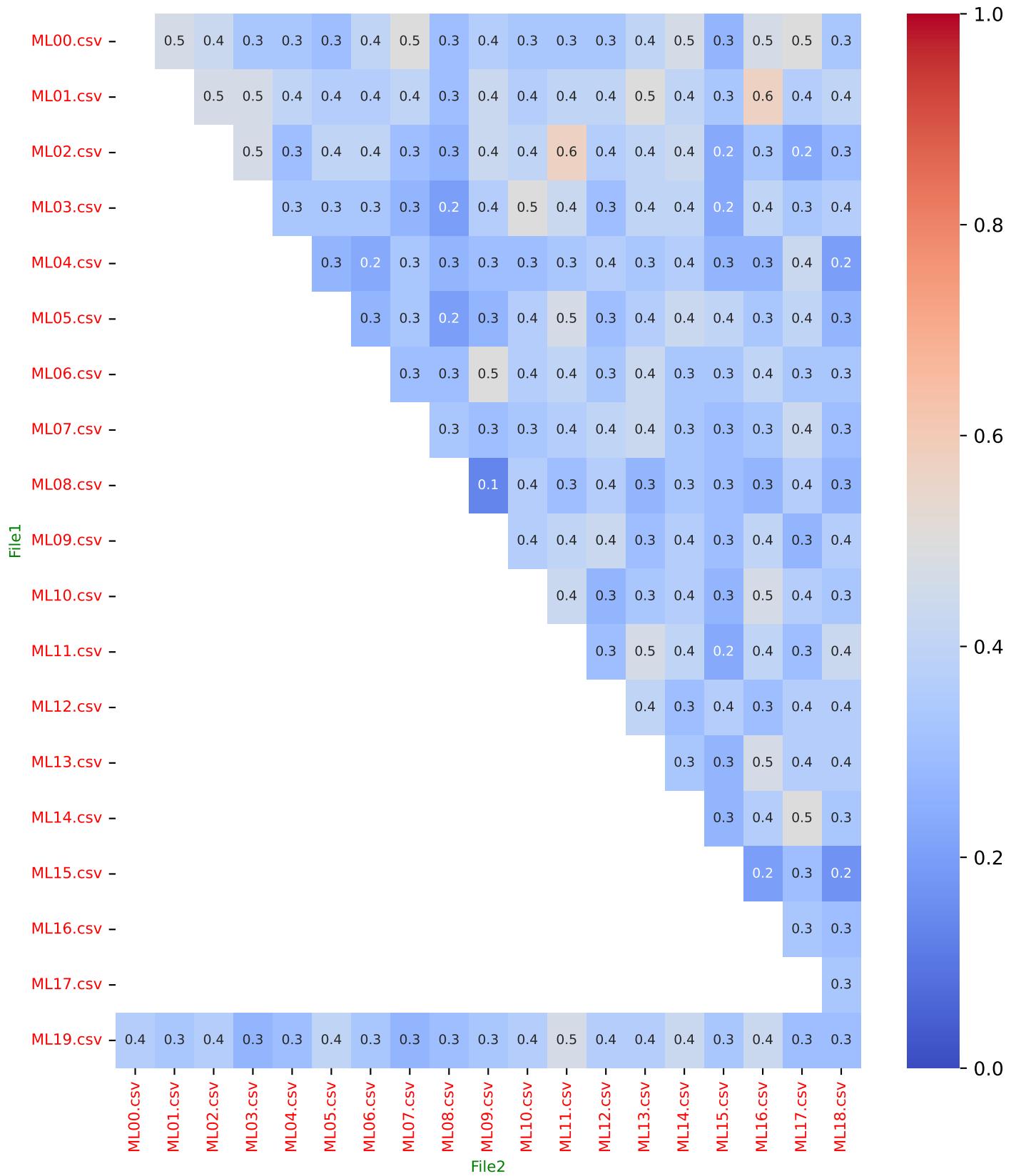
Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Heatmap of Overlap Coefficient



Implementation Number 111

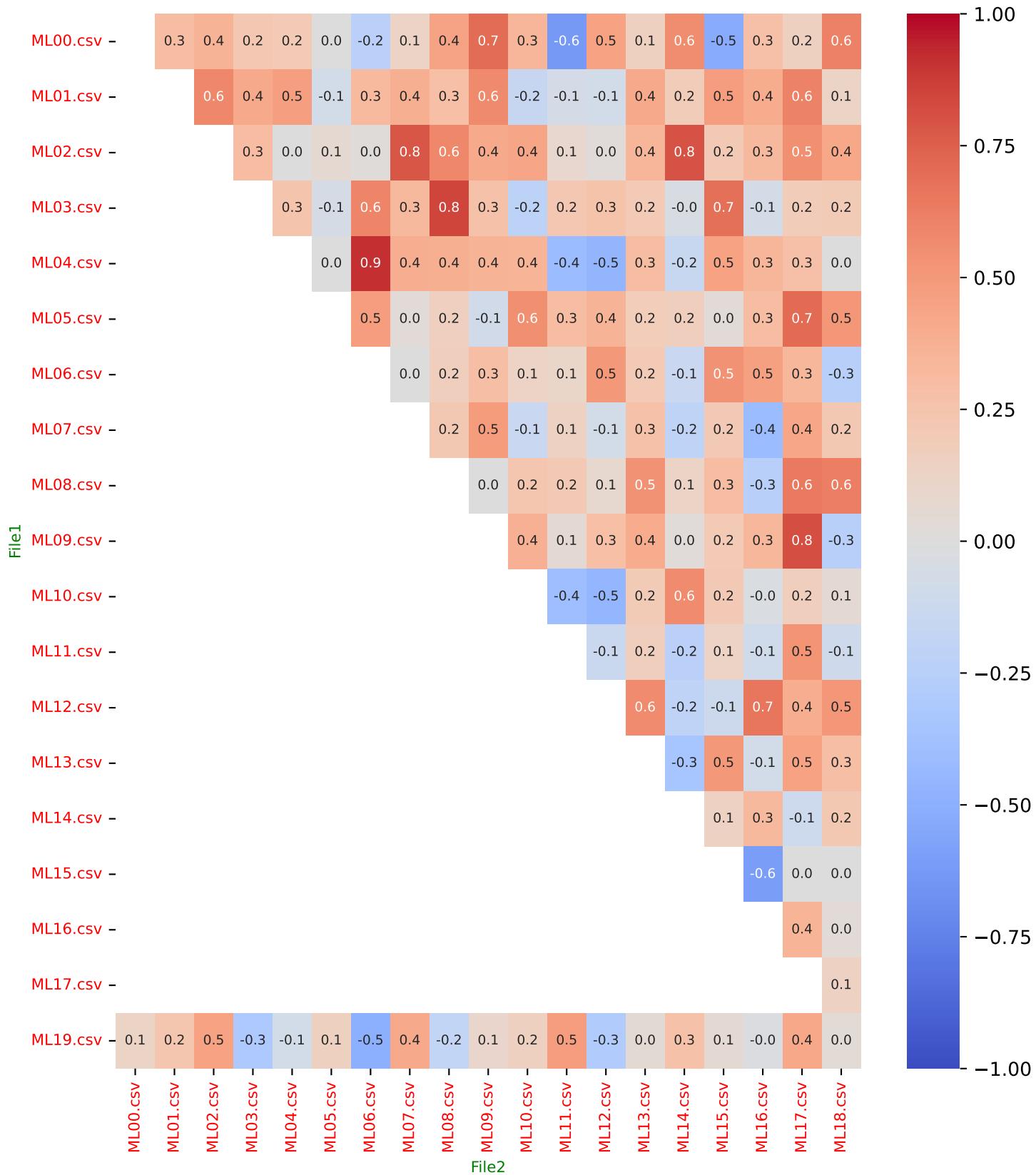
Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 112

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 50
Number of Files: 20

Implementation Number 112

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 112

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 112

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
070.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 07, 10, 11, 14, 15, 17, 18, 19
055.00 %	BAKON_571	00, 01, 06, 07, 08, 09, 11, 13, 14, 17, 18
060.00 %	BAKON_126	00, 02, 03, 04, 06, 07, 09, 11, 12, 15, 16, 19
075.00 %	BAKON_276	00, 01, 02, 05, 07, 08, 09, 10, 11, 12, 15, 16, 17, 18, 19
080.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 14, 15, 17, 18
040.00 %	BAKON_125	00, 04, 11, 12, 14, 17, 18, 19
090.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19
050.00 %	BAKON_273	00, 04, 08, 10, 11, 12, 13, 14, 16, 18
075.00 %	BAKON_133	00, 01, 02, 03, 05, 06, 07, 08, 09, 12, 14, 15, 17, 18, 19
060.00 %	BAKON_470	00, 01, 02, 03, 05, 07, 08, 10, 15, 16, 17, 19
030.00 %	BAKON_059	00, 02, 08, 14, 16, 19
085.00 %	BAKON_085	00, 01, 02, 03, 04, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19
065.00 %	BAKON_190	00, 01, 02, 03, 05, 06, 07, 09, 12, 14, 15, 17, 19
070.00 %	BAKON_199	00, 02, 03, 06, 07, 10, 11, 12, 13, 14, 15, 16, 17, 19
040.00 %	BAKON_035	00, 03, 04, 05, 07, 11, 12, 18
075.00 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
035.00 %	BAKON_140	00, 04, 07, 09, 10, 13, 18
035.00 %	BAKON_032	00, 04, 05, 10, 11, 12, 17
040.00 %	BAKON_191	00, 06, 08, 09, 12, 15, 17, 19
015.00 %	BAKON_037	00, 04, 15

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Global node Presence Mean (Weighted): 48.38%

Implementation Number 112

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.2821	0.4400	0.0000	0.2753
ML19.csv	ML01.csv	0.3514	0.5200	0.8693	0.2005
ML19.csv	ML02.csv	0.3158	0.4800	0.0000	0.2886
ML19.csv	ML03.csv	0.2500	0.4000	0.0002	0.0674
ML19.csv	ML04.csv	0.3333	0.5000	0.0000	0.1852
ML19.csv	ML05.csv	0.2987	0.4600	0.0000	0.0509
ML19.csv	ML06.csv	0.2987	0.4600	0.7166	0.1203
ML19.csv	ML07.csv	0.2500	0.4000	0.3959	0.1789
ML19.csv	ML08.csv	0.2658	0.4200	0.0000	0.4405
ML19.csv	ML09.csv	0.2658	0.4200	0.0000	0.1274
ML19.csv	ML10.csv	0.3333	0.5000	0.0000	0.2000
ML19.csv	ML11.csv	0.3514	0.5200	0.0000	0.3334
ML19.csv	ML12.csv	0.2821	0.4400	0.0000	-0.0118
ML19.csv	ML13.csv	0.3514	0.5200	0.0000	0.1890
ML19.csv	ML14.csv	0.2821	0.4400	0.0000	0.1388
ML19.csv	ML15.csv	0.2658	0.4200	0.0000	-0.1904
ML19.csv	ML16.csv	0.3158	0.4800	0.0002	0.1429
ML19.csv	ML17.csv	0.2821	0.4400	0.0000	0.3868
ML19.csv	ML18.csv	0.2500	0.4000	0.0000	-0.0798
ML00.csv	ML01.csv	0.4286	0.6000	0.0000	0.2718
ML00.csv	ML02.csv	0.3158	0.4800	0.0000	0.3575
ML00.csv	ML03.csv	0.1905	0.3200	0.0000	0.3350
ML00.csv	ML04.csv	0.3514	0.5200	0.0028	0.0617
ML00.csv	ML05.csv	0.3333	0.5000	0.0000	-0.0299
ML00.csv	ML06.csv	0.2987	0.4600	0.0000	0.1730
ML00.csv	ML07.csv	0.3514	0.5200	0.0000	0.3226
ML00.csv	ML08.csv	0.3158	0.4800	0.0000	0.2347
ML00.csv	ML09.csv	0.2821	0.4400	0.0000	0.1789
ML00.csv	ML10.csv	0.3158	0.4800	0.0000	0.1917
ML00.csv	ML11.csv	0.3158	0.4800	0.0028	0.2648
ML00.csv	ML12.csv	0.2658	0.4200	0.0000	-0.2242
ML00.csv	ML13.csv	0.3514	0.5200	0.0000	0.1351
ML00.csv	ML14.csv	0.3333	0.5000	0.0678	0.4615
ML00.csv	ML15.csv	0.2987	0.4600	0.0000	0.0528
ML00.csv	ML16.csv	0.2987	0.4600	0.0000	0.3093

Implementation Number 112

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.3699	0.5400	0.9667	0.2781
ML00.csv	ML18.csv	0.2987	0.4600	0.0000	0.2915
ML01.csv	ML02.csv	0.3889	0.5600	0.0000	0.3665
ML01.csv	ML03.csv	0.2500	0.4000	0.0000	0.4454
ML01.csv	ML04.csv	0.4085	0.5800	0.0000	0.2912
ML01.csv	ML05.csv	0.3333	0.5000	0.0000	-0.0172
ML01.csv	ML06.csv	0.3699	0.5400	0.0678	0.3603
ML01.csv	ML07.csv	0.3158	0.4800	0.9667	0.4235
ML01.csv	ML08.csv	0.3158	0.4800	0.0000	0.2938
ML01.csv	ML09.csv	0.3514	0.5200	0.0000	0.4212
ML01.csv	ML10.csv	0.2821	0.4400	0.0000	0.3207
ML01.csv	ML11.csv	0.3514	0.5200	0.0000	0.1568
ML01.csv	ML12.csv	0.3333	0.5000	0.0000	0.1386
ML01.csv	ML13.csv	0.3889	0.5600	0.0000	0.3334
ML01.csv	ML14.csv	0.2987	0.4600	0.0000	0.0725

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2975

Fleiss' Kappa Agreement Index (κ_F): 0.2358

Mean KS Distance Between Pairs (D): 0.8046

Mean p-value for KS Test Pairs: 0.0677

Mean KS Distance for Multiple Samples (D_{mult}): 0.5702

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000

Mean Kendall Tau ($\bar{\tau}$): 0.2041

Median Kendall Tau ($\tilde{\tau}$): 0.1939

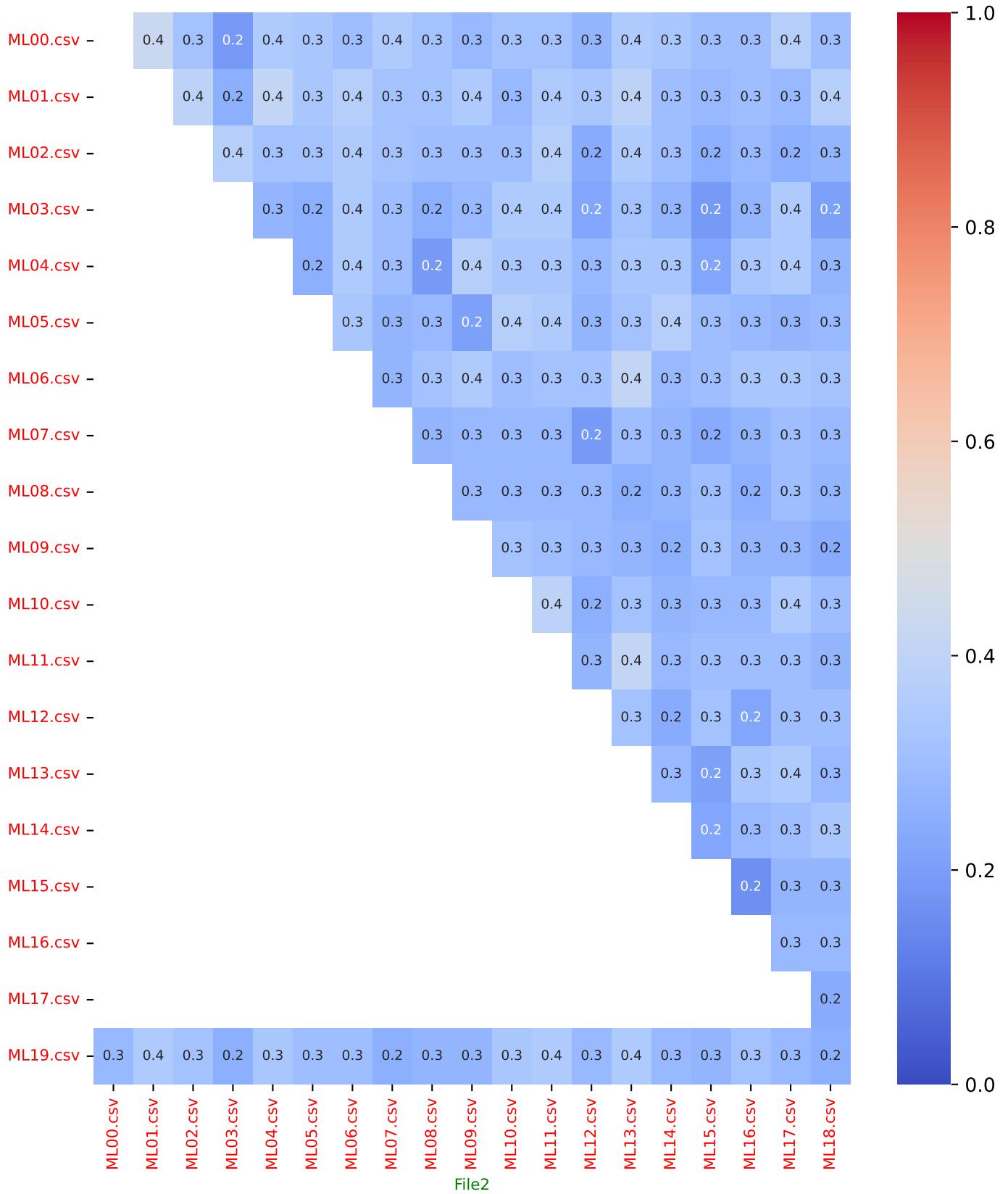
Percentage of Pairs with $\tau > 0$: 87.37%

Implementation Number 112

Parameters: Top_N = 50
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

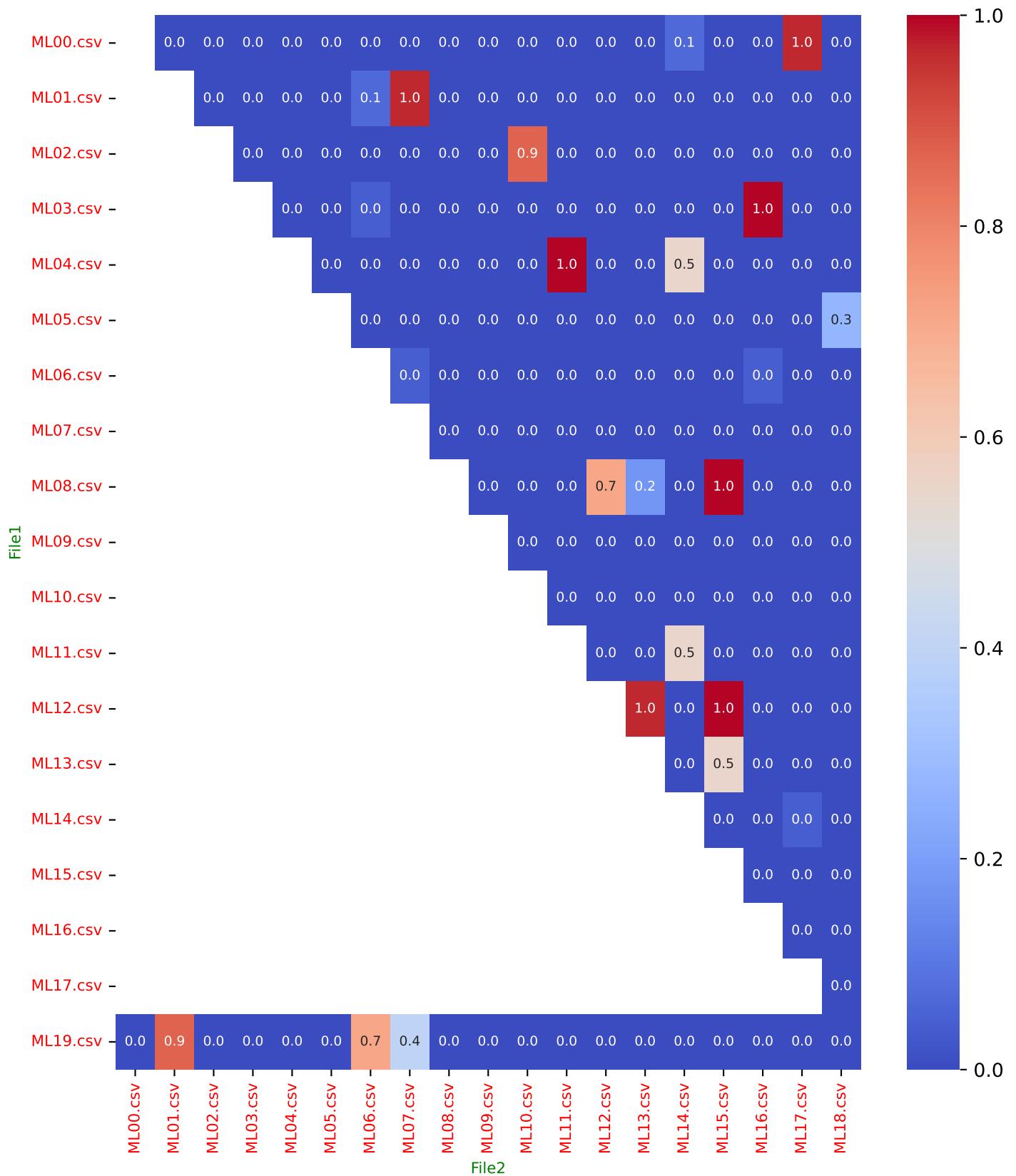


Implementation Number 112

Parameters: Top_N = 50
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

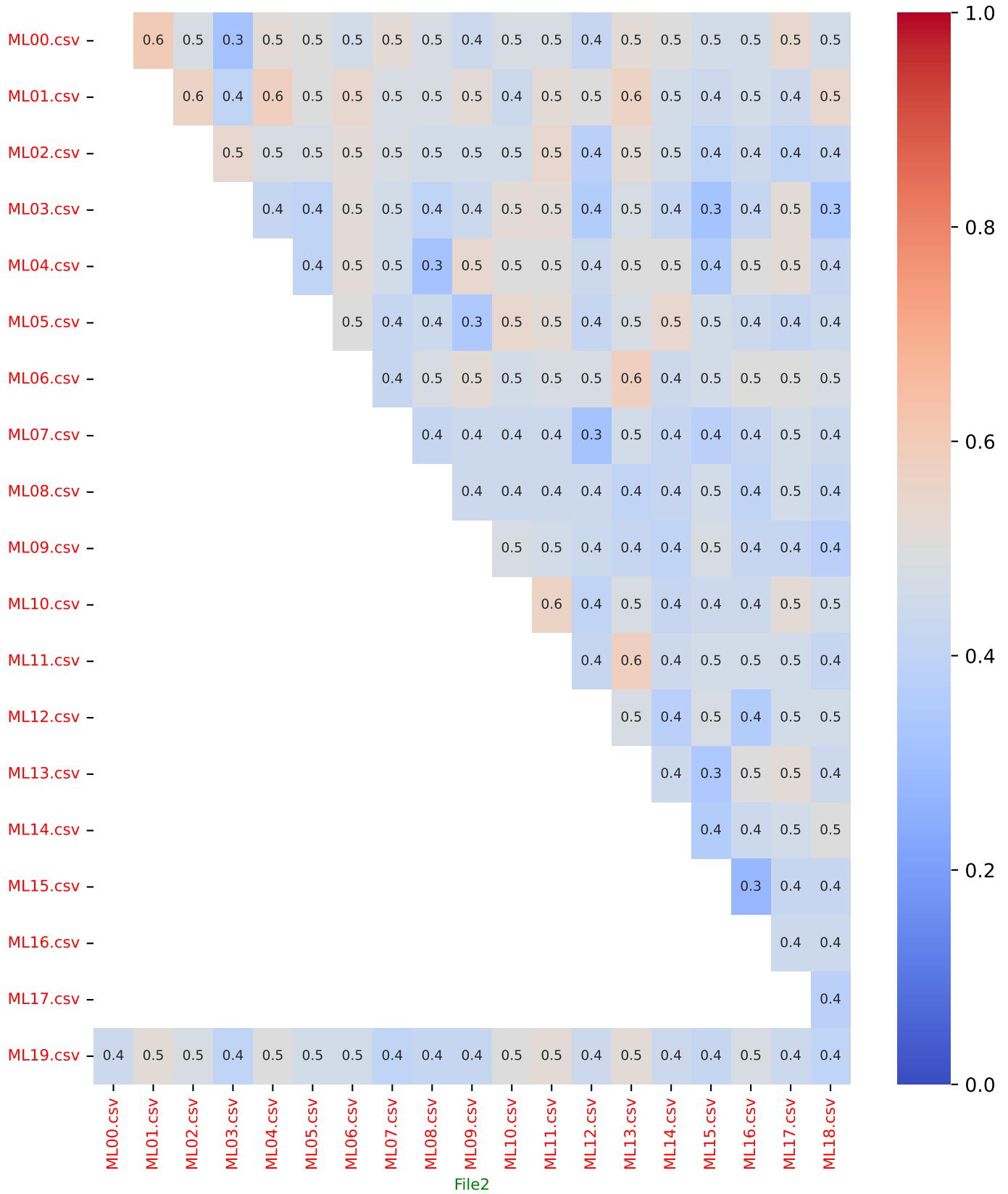


Implementation Number 112

Parameters: Top_N = 50
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

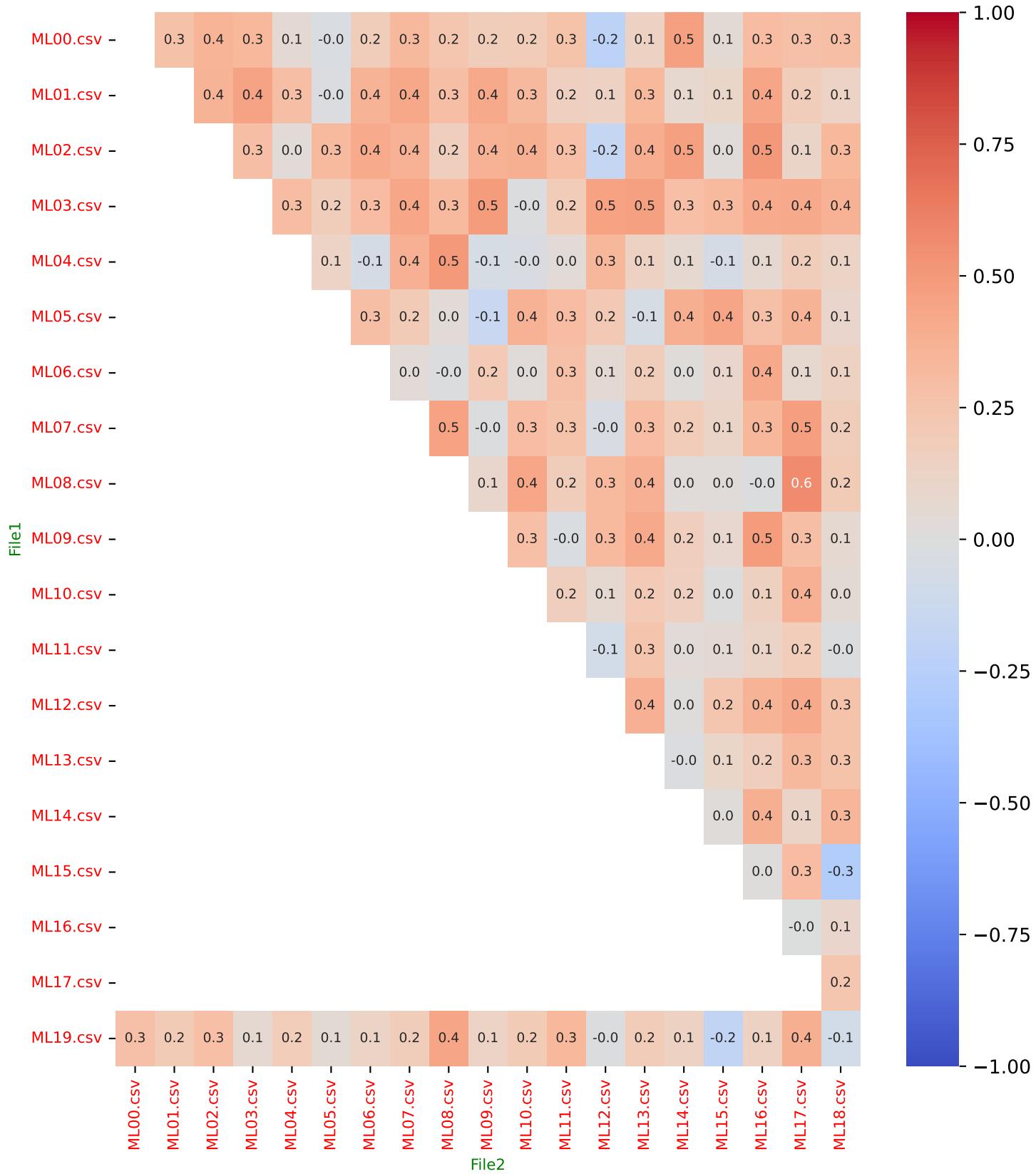


Implementation Number 112

Parameters: Top_N = 50
 Number of files = 20

Mode: Machine Learning
 Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 113

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 100
Number of Files: 20

Implementation Number 113

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 113

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 113

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
080.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 10, 11, 12, 14, 15, 17, 18, 19
080.00 %	BAKON_571	00, 01, 02, 03, 05, 06, 07, 08, 09, 11, 12, 13, 14, 16, 17, 18
095.00 %	BAKON_126	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19
095.00 %	BAKON_276	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
095.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18
065.00 %	BAKON_125	00, 04, 06, 07, 10, 11, 12, 14, 15, 16, 17, 18, 19
090.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19
080.00 %	BAKON_273	00, 01, 02, 04, 06, 08, 09, 10, 11, 12, 13, 14, 15, 16, 18, 19
090.00 %	BAKON_133	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 15, 17, 18, 19
090.00 %	BAKON_470	00, 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19
060.00 %	BAKON_059	00, 02, 05, 07, 08, 10, 12, 13, 14, 15, 16, 19
095.00 %	BAKON_085	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
085.00 %	BAKON_190	00, 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 19
085.00 %	BAKON_199	00, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19
075.00 %	BAKON_035	00, 01, 02, 03, 04, 05, 07, 08, 10, 11, 12, 16, 17, 18, 19
075.00 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
065.00 %	BAKON_140	00, 01, 02, 03, 04, 05, 07, 08, 09, 10, 13, 16, 18

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Global node Presence Mean (Weighted): 59.37%

Implementation Number 113

Parameters: Top_N = 100
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.3333	0.5000	0.0000	0.2200
ML19.csv	ML01.csv	0.3986	0.5700	0.0156	0.1981
ML19.csv	ML02.csv	0.3793	0.5500	0.0000	0.1910
ML19.csv	ML03.csv	0.3514	0.5200	0.0099	0.3212
ML19.csv	ML04.csv	0.3986	0.5700	0.0000	0.1121
ML19.csv	ML05.csv	0.3699	0.5400	0.0000	0.1555
ML19.csv	ML06.csv	0.3793	0.5500	0.9084	0.2724
ML19.csv	ML07.csv	0.3793	0.5500	0.0241	0.1476
ML19.csv	ML08.csv	0.3423	0.5100	0.0000	0.2119
ML19.csv	ML09.csv	0.4286	0.6000	0.0000	0.1333
ML19.csv	ML10.csv	0.3333	0.5000	0.0000	0.3441
ML19.csv	ML11.csv	0.4184	0.5900	0.0000	0.3669
ML19.csv	ML12.csv	0.3514	0.5200	0.0000	0.2265
ML19.csv	ML13.csv	0.3986	0.5700	0.0000	0.4746
ML19.csv	ML14.csv	0.3793	0.5500	0.0000	0.4274
ML19.csv	ML15.csv	0.3986	0.5700	0.0000	0.1435
ML19.csv	ML16.csv	0.3793	0.5500	0.0022	0.2956
ML19.csv	ML17.csv	0.3072	0.4700	0.0000	0.3544
ML19.csv	ML18.csv	0.3423	0.5100	0.0000	0.2384
ML00.csv	ML01.csv	0.4286	0.6000	0.0000	0.4285
ML00.csv	ML02.csv	0.3986	0.5700	0.0000	0.3347
ML00.csv	ML03.csv	0.3333	0.5000	0.0000	0.2309
ML00.csv	ML04.csv	0.4085	0.5800	0.0013	0.1827
ML00.csv	ML05.csv	0.3793	0.5500	0.0000	0.2625
ML00.csv	ML06.csv	0.3986	0.5700	0.0000	0.2750
ML00.csv	ML07.csv	0.4388	0.6100	0.0000	0.3937
ML00.csv	ML08.csv	0.4184	0.5900	0.0000	0.2667
ML00.csv	ML09.csv	0.3889	0.5600	0.0000	0.2676
ML00.csv	ML10.csv	0.3889	0.5600	0.0000	0.3618
ML00.csv	ML11.csv	0.3699	0.5400	0.0007	0.2924
ML00.csv	ML12.csv	0.3889	0.5600	0.0000	0.2868
ML00.csv	ML13.csv	0.3986	0.5700	0.0000	0.2853
ML00.csv	ML14.csv	0.3514	0.5200	0.2819	0.4405
ML00.csv	ML15.csv	0.3986	0.5700	0.0000	0.0736
ML00.csv	ML16.csv	0.3986	0.5700	0.0000	0.4204

Implementation Number 113

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.4815	0.6500	0.9997	0.3883
ML00.csv	ML18.csv	0.3605	0.5300	0.0000	0.4189
ML01.csv	ML02.csv	0.4493	0.6200	0.0000	0.3723
ML01.csv	ML03.csv	0.4493	0.6200	0.0000	0.3031
ML01.csv	ML04.csv	0.4815	0.6500	0.0000	0.3967
ML01.csv	ML05.csv	0.4085	0.5800	0.0000	0.2348
ML01.csv	ML06.csv	0.4925	0.6600	0.1112	0.3420
ML01.csv	ML07.csv	0.4925	0.6600	0.3682	0.3231
ML01.csv	ML08.csv	0.4493	0.6200	0.0000	0.1743
ML01.csv	ML09.csv	0.4925	0.6600	0.0000	0.3225
ML01.csv	ML10.csv	0.4599	0.6300	0.0000	0.3013
ML01.csv	ML11.csv	0.4388	0.6100	0.0000	0.3973
ML01.csv	ML12.csv	0.4493	0.6200	0.0000	0.2468
ML01.csv	ML13.csv	0.4599	0.6300	0.0000	0.4012
ML01.csv	ML14.csv	0.4184	0.5900	0.0000	0.3822

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Global Metrics:

Mean Jaccard Coefficient (J): 0.4020

Fleiss' Kappa Agreement Index (κ_F): 0.3207

Mean KS Distance Between Pairs (D): 0.7457

Mean p-value for KS Test Pairs: 0.0579

Mean KS Distance for Multiple Samples (D_{mult}): 0.5313

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000

Mean Kendall Tau (τ): 0.2596

Median Kendall Tau ($\tilde{\tau}$): 0.2696

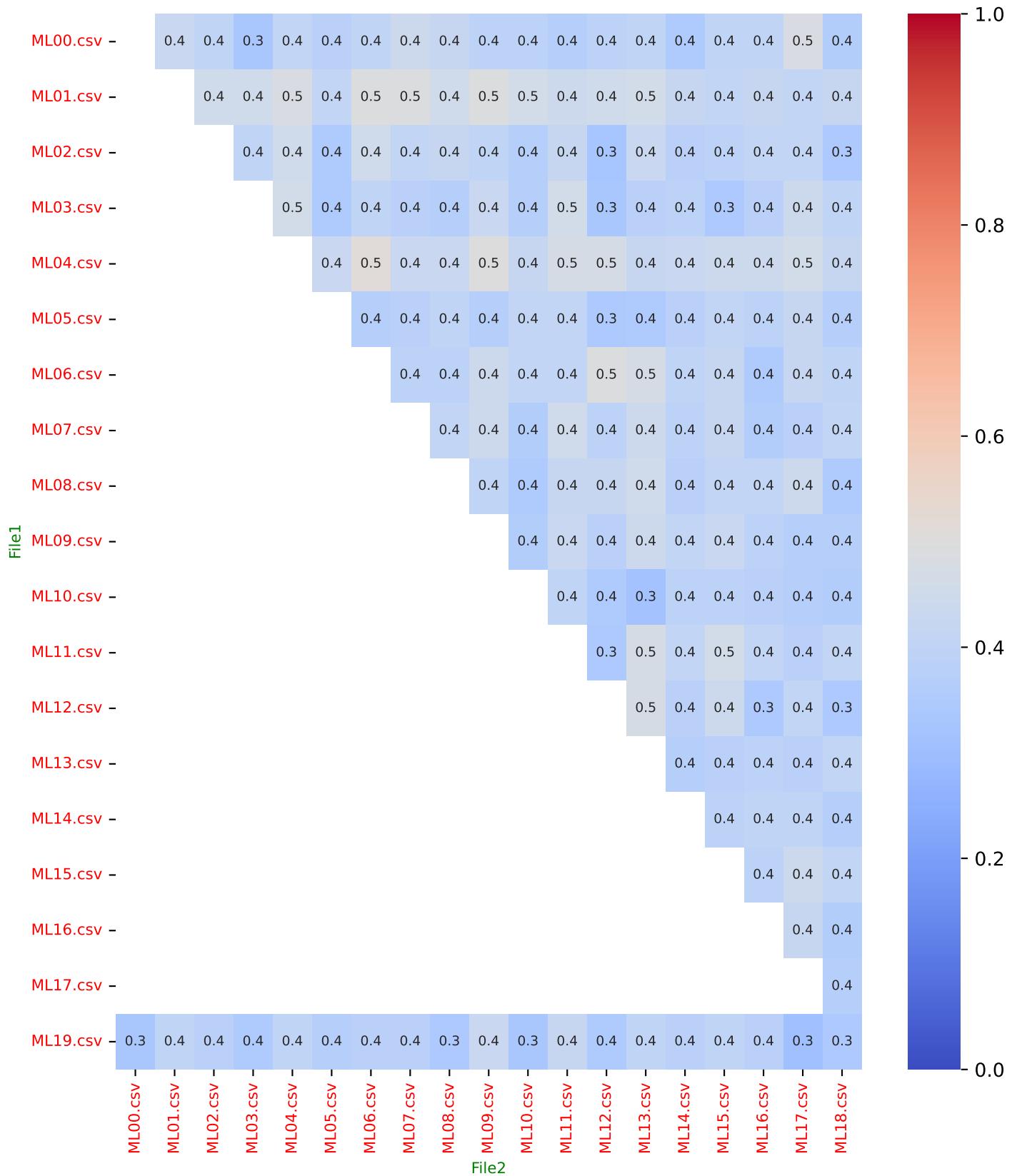
Percentage of Pairs with $\tau > 0$: 98.95%

Implementation Number 113

Parameters: Top_N = 100
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

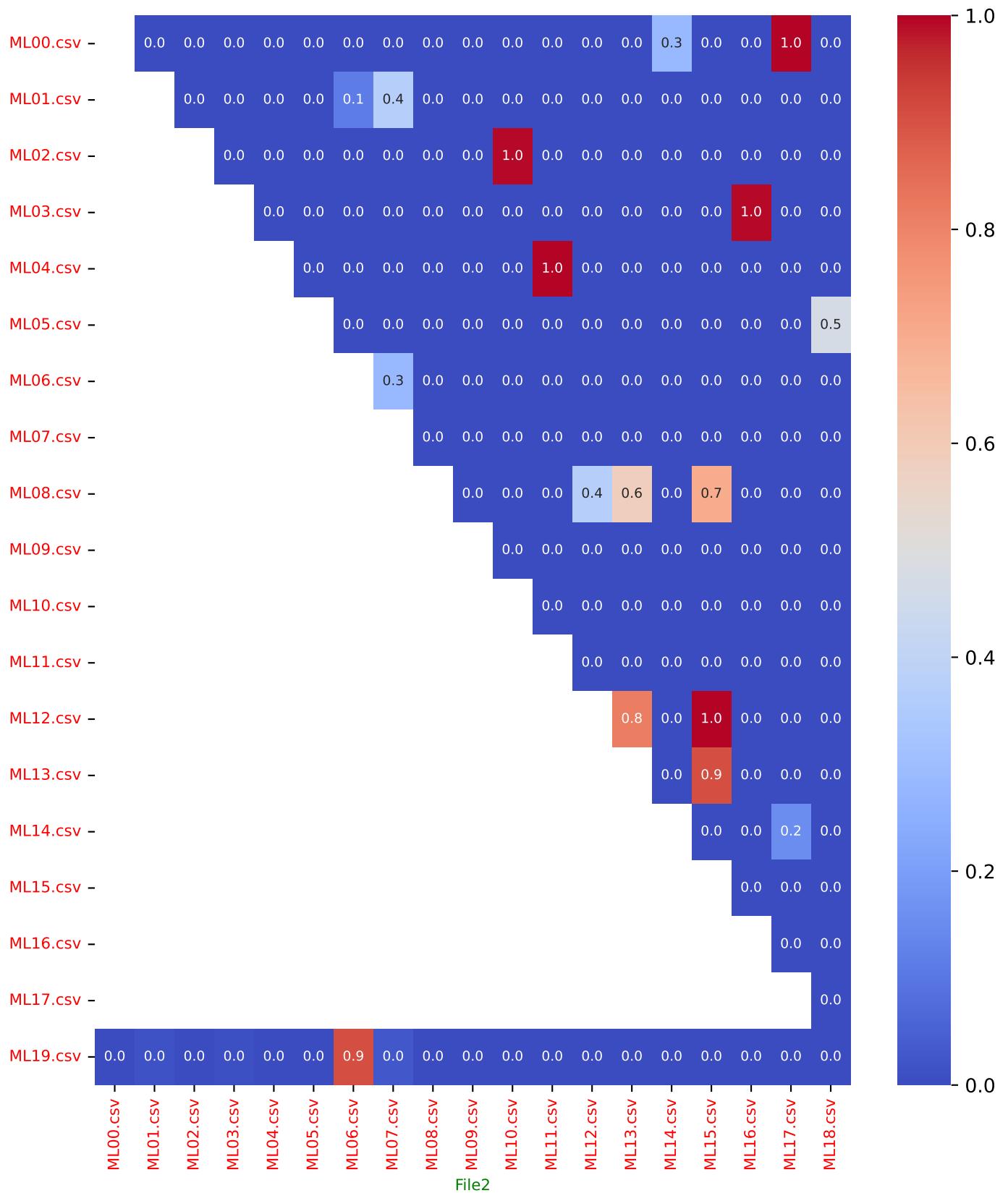


Implementation Number 113

Parameters: Top_N = 100
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

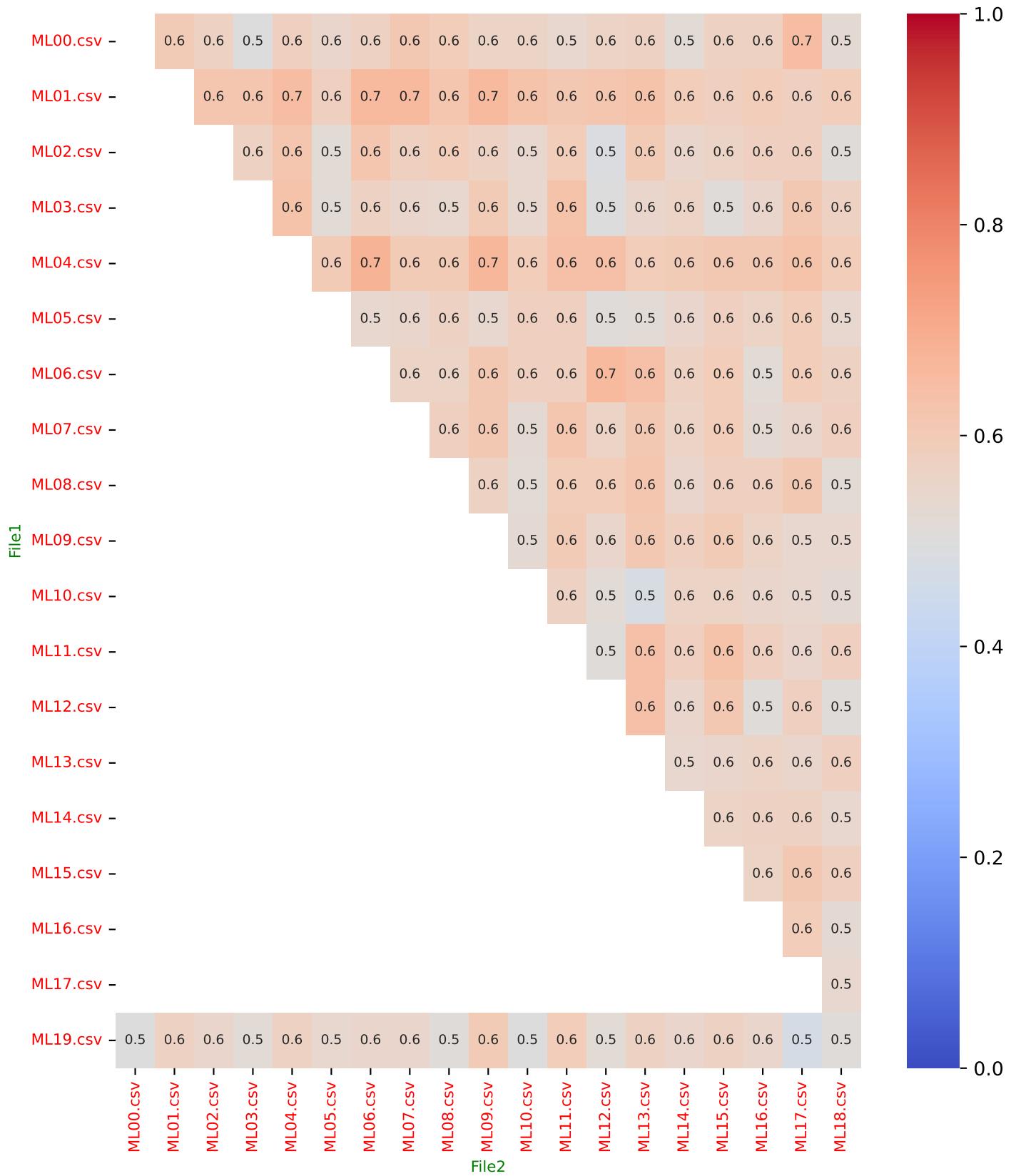


Implementation Number 113

Parameters: Top_N = 100
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

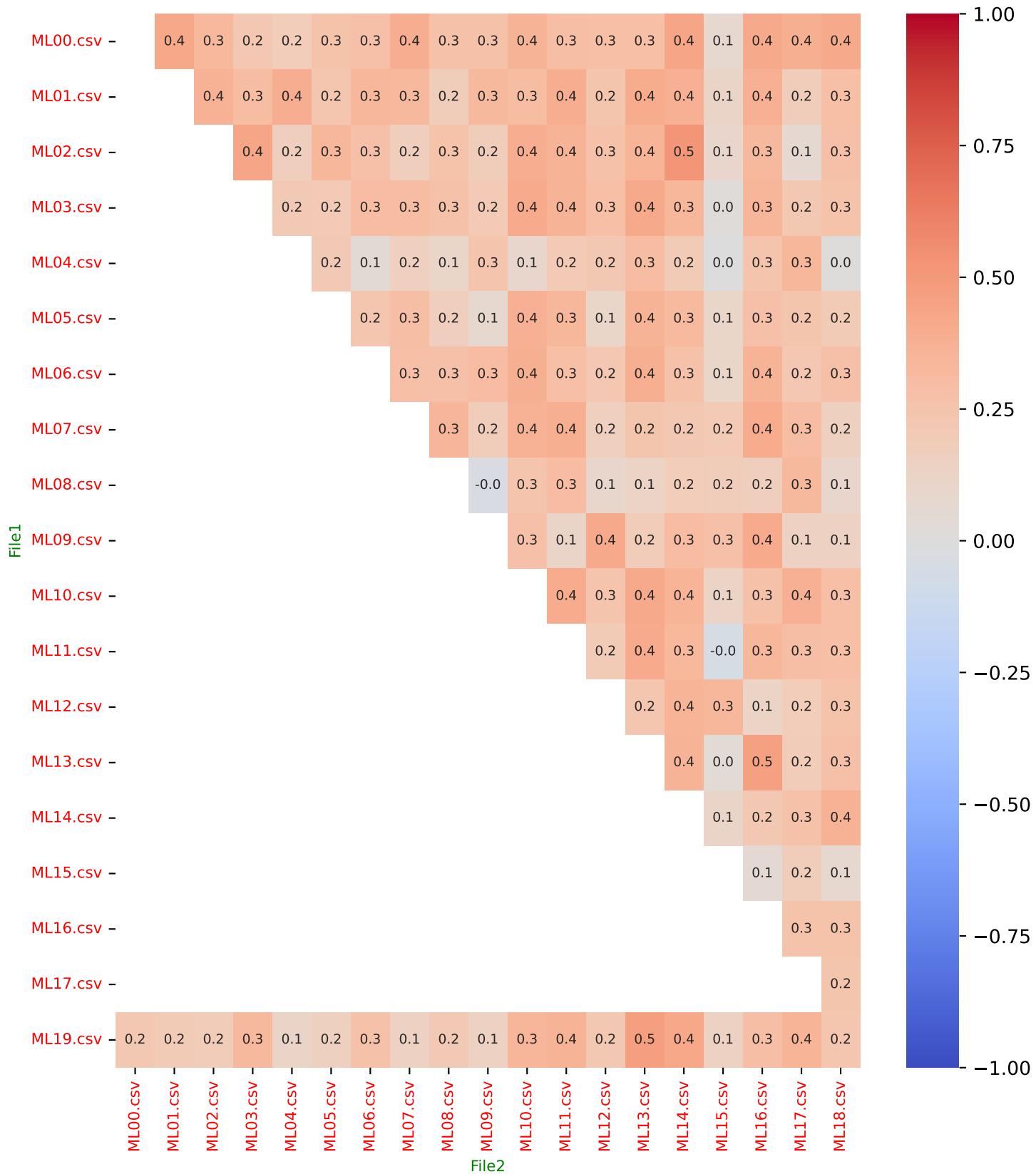


Implementation Number 113

Parameters: Top_N = 100
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 114

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

**Top Nodes: 200
Number of Files: 20**

Implementation Number 114

Parameters: Top_N = 200

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 114

Parameters: Top_N = 200

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 114

Parameters: Top_N = 200

Number of files = 20

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
095.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_571	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
095.00 %	BAKON_126	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19
100.00 %	BAKON_276	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
095.00 %	BAKON_125	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
090.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19
095.00 %	BAKON_273	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
095.00 %	BAKON_133	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 17, 18, 19
095.00 %	BAKON_470	00, 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
095.00 %	BAKON_059	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19
095.00 %	BAKON_085	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_190	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
095.00 %	BAKON_199	00, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
...	continues ...	(formatted sample for printing)

Global node Presence Mean (Weighted): 73.91%

Implementation Number 114

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.5686	0.7250	0.0000	0.2366
ML19.csv	ML01.csv	0.6194	0.7650	0.0521	0.3497
ML19.csv	ML02.csv	0.5810	0.7350	0.0000	0.3489
ML19.csv	ML03.csv	0.5748	0.7300	0.0118	0.2527
ML19.csv	ML04.csv	0.5625	0.7200	0.0000	0.3314
ML19.csv	ML05.csv	0.5810	0.7350	0.0000	0.3159
ML19.csv	ML06.csv	0.5873	0.7400	0.4663	0.2839
ML19.csv	ML07.csv	0.5936	0.7450	0.2205	0.3459
ML19.csv	ML08.csv	0.5326	0.6950	0.0000	0.3249
ML19.csv	ML09.csv	0.6194	0.7650	0.0000	0.3502
ML19.csv	ML10.csv	0.5564	0.7150	0.0000	0.2720
ML19.csv	ML11.csv	0.6194	0.7650	0.0000	0.3563
ML19.csv	ML12.csv	0.5385	0.7000	0.0000	0.3257
ML19.csv	ML13.csv	0.5873	0.7400	0.0000	0.3821
ML19.csv	ML14.csv	0.6000	0.7500	0.0000	0.2974
ML19.csv	ML15.csv	0.5936	0.7450	0.0000	0.2865
ML19.csv	ML16.csv	0.5748	0.7300	0.0006	0.3576
ML19.csv	ML17.csv	0.5810	0.7350	0.0000	0.2078
ML19.csv	ML18.csv	0.5152	0.6800	0.0000	0.2860
ML00.csv	ML01.csv	0.6194	0.7650	0.0000	0.4080
ML00.csv	ML02.csv	0.5686	0.7250	0.0000	0.3345
ML00.csv	ML03.csv	0.5748	0.7300	0.0000	0.2484
ML00.csv	ML04.csv	0.5564	0.7150	0.0030	0.3649
ML00.csv	ML05.csv	0.5564	0.7150	0.0000	0.3258
ML00.csv	ML06.csv	0.5936	0.7450	0.0000	0.3323
ML00.csv	ML07.csv	0.5504	0.7100	0.0000	0.3641
ML00.csv	ML08.csv	0.5564	0.7150	0.0000	0.3833
ML00.csv	ML09.csv	0.5810	0.7350	0.0000	0.3058
ML00.csv	ML10.csv	0.5810	0.7350	0.0000	0.3964
ML00.csv	ML11.csv	0.5326	0.6950	0.0163	0.2465
ML00.csv	ML12.csv	0.5564	0.7150	0.0000	0.3382
ML00.csv	ML13.csv	0.5504	0.7100	0.0000	0.3849
ML00.csv	ML14.csv	0.5936	0.7450	0.5453	0.3196
ML00.csv	ML15.csv	0.5936	0.7450	0.0000	0.3232
ML00.csv	ML16.csv	0.5810	0.7350	0.0000	0.3560

Implementation Number 114

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.5936	0.7450	0.9973	0.5001
ML00.csv	ML18.csv	0.5444	0.7050	0.0000	0.3082
ML01.csv	ML02.csv	0.6064	0.7550	0.0000	0.4691
ML01.csv	ML03.csv	0.5810	0.7350	0.0000	0.3973
ML01.csv	ML04.csv	0.5686	0.7250	0.0000	0.5465
ML01.csv	ML05.csv	0.5504	0.7100	0.0000	0.3312
ML01.csv	ML06.csv	0.6129	0.7600	0.4663	0.5081
ML01.csv	ML07.csv	0.5748	0.7300	0.5453	0.4568
ML01.csv	ML08.csv	0.5385	0.7000	0.0000	0.4595
ML01.csv	ML09.csv	0.6000	0.7500	0.0000	0.5130
ML01.csv	ML10.csv	0.5748	0.7300	0.0000	0.3884
ML01.csv	ML11.csv	0.5625	0.7200	0.0000	0.3652
ML01.csv	ML12.csv	0.5625	0.7200	0.0000	0.4545
ML01.csv	ML13.csv	0.5564	0.7150	0.0000	0.5515
ML01.csv	ML14.csv	0.6194	0.7650	0.0000	0.3720

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Global Metrics:

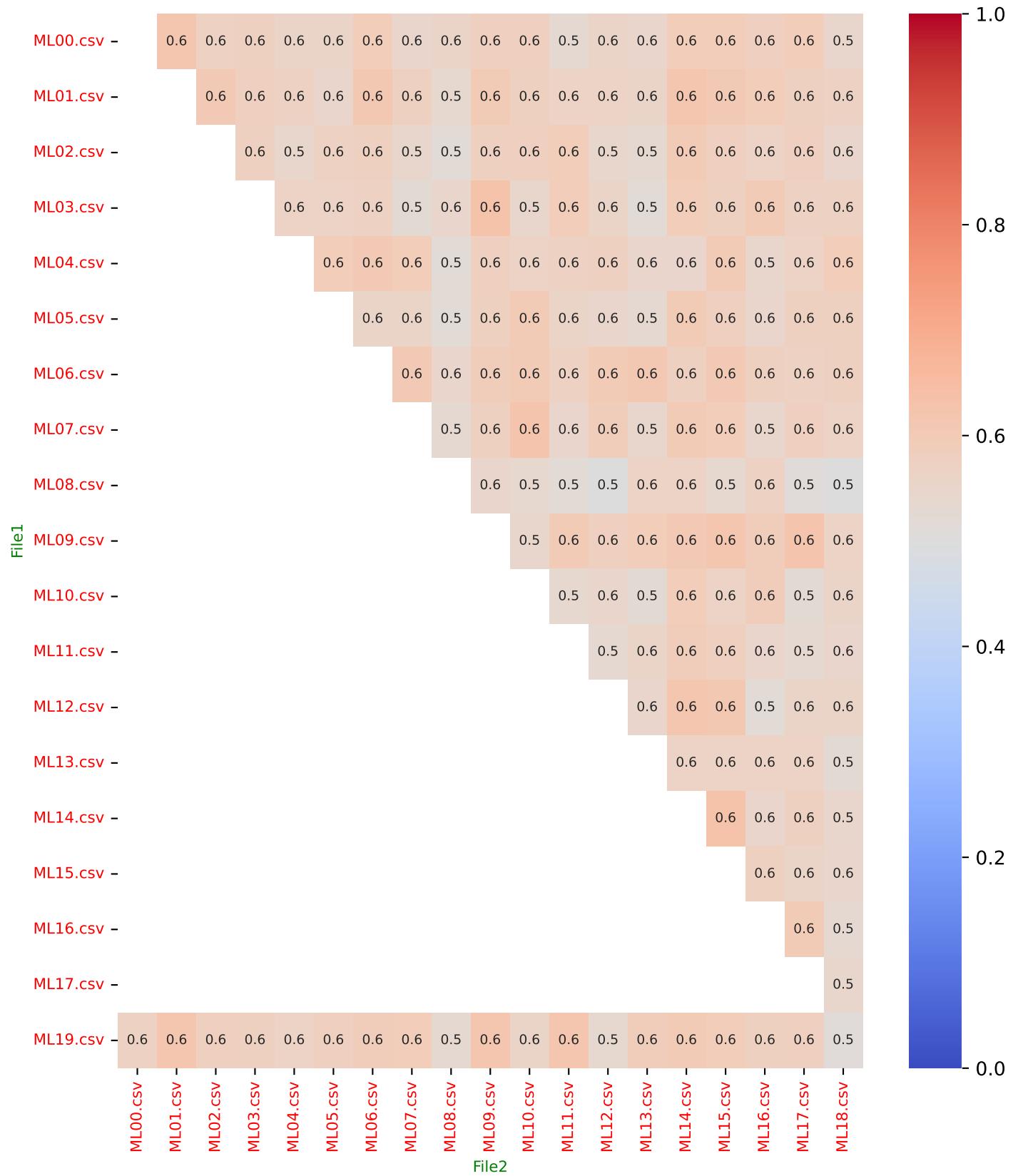
Mean Jaccard Coefficient (J): 0.5695
Fleiss' Kappa Agreement Index (κF): 0.4078
Mean KS Distance Between Pairs (D): 0.6372
Mean p-value for KS Test Pairs: 0.0702
Mean KS Distance for Multiple Samples (D_{mult}): 0.4569
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000
Mean Kendall Tau ($\bar{\tau}$): 0.3731
Median Kendall Tau ($\tilde{\tau}$): 0.3717
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 114

Parameters: Top_N = 200
 Number of files = 20

Mode: Machine Learning
 Selected metric: Degree

Heatmap of Jaccard Coefficient

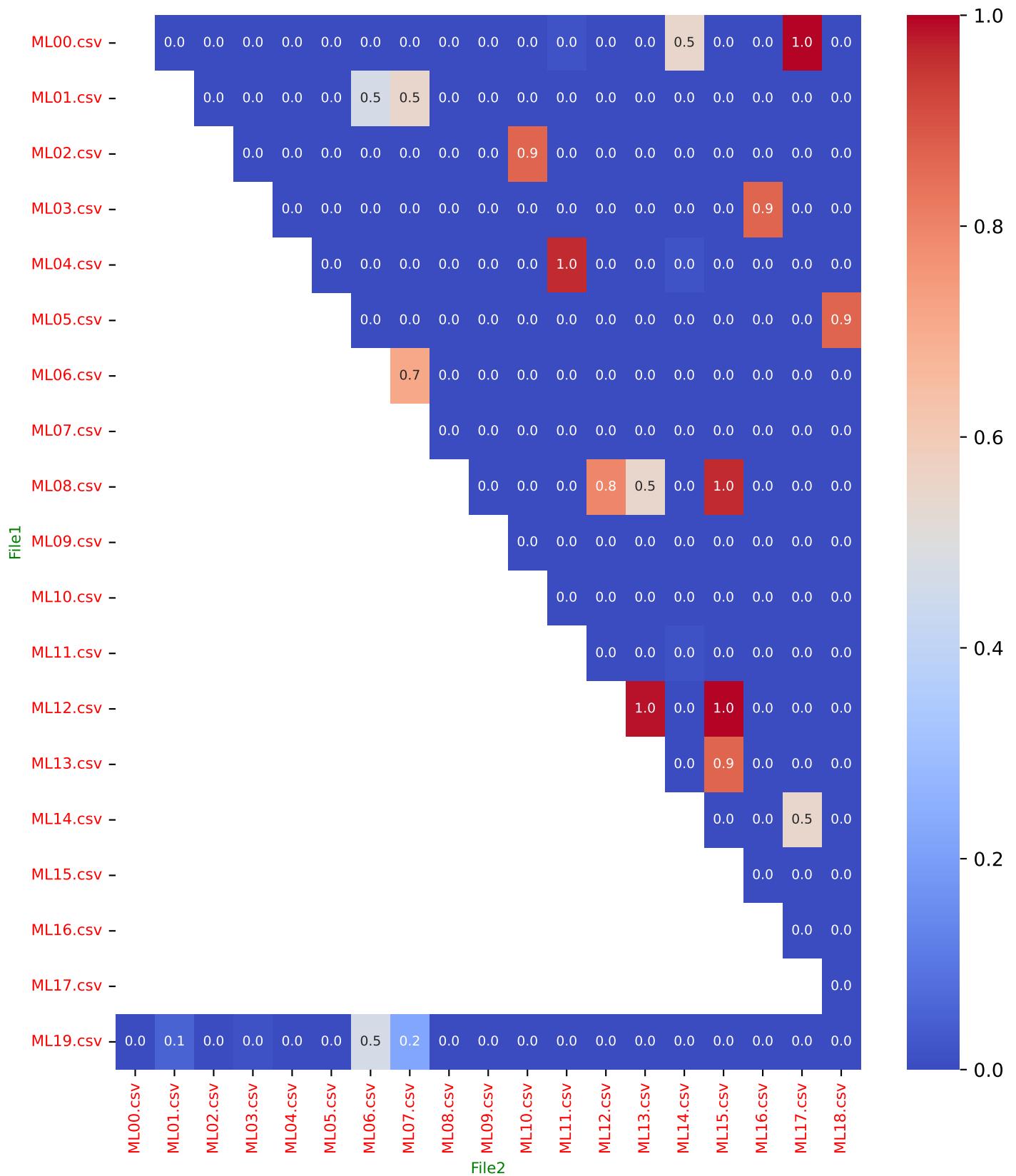


Implementation Number 114

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

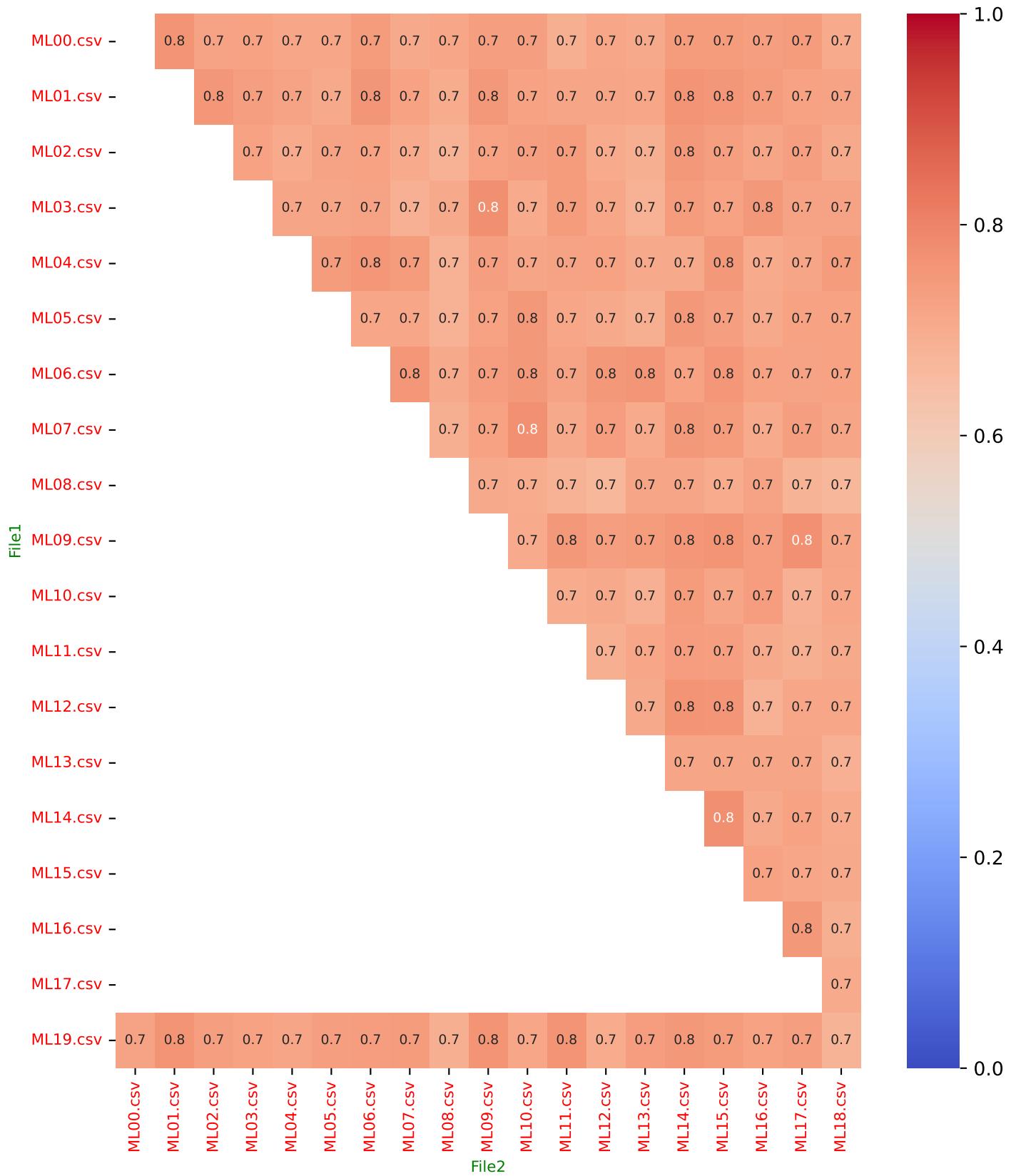


Implementation Number 114

Parameters: Top_N = 200
 Number of files = 20

Mode: Machine Learning
 Selected metric: Degree

Heatmap of Overlap Coefficient

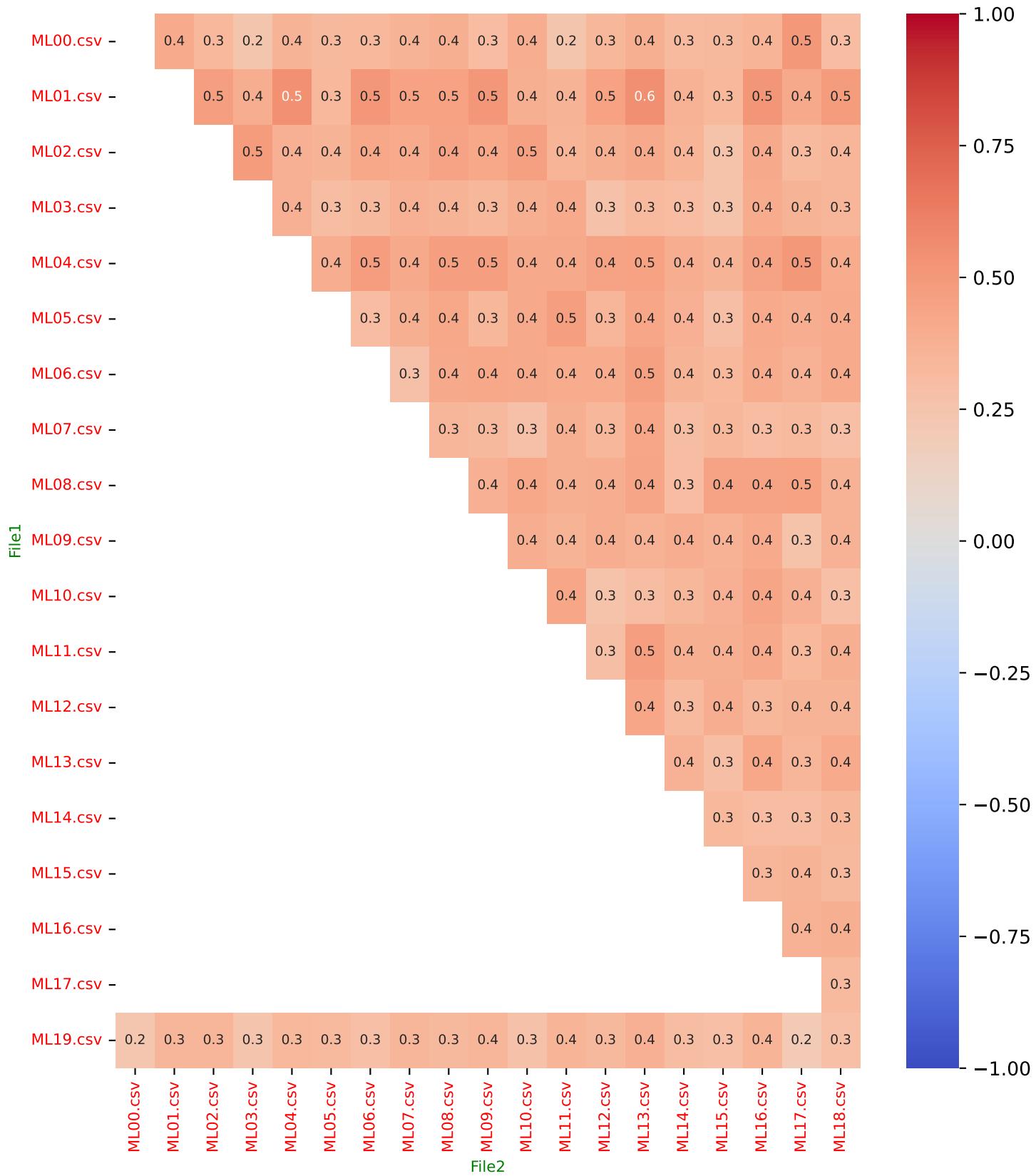


Implementation Number 114

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 115

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 10
Number of Files: 20**

Implementation Number 115

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 115

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 115

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
060.00 %	BAKON_211	00, 01, 03, 05, 06, 07, 08, 10, 11, 12, 15, 19
065.00 %	BAKON_422	00, 01, 03, 05, 09, 10, 11, 12, 13, 14, 16, 18, 19
095.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
015.00 %	BAKON_604	00, 04, 08
010.00 %	BAKON_239	00, 07
070.00 %	BAKON_478	00, 01, 02, 03, 04, 07, 09, 10, 14, 15, 16, 17, 18, 19
005.00 %	BAKON_450	00
015.00 %	BAKON_571	00, 07, 13
030.00 %	BAKON_098	00, 02, 07, 12, 13, 14
030.00 %	BAKON_572	00, 02, 03, 07, 11, 13
040.00 %	BAKON_212	01, 04, 05, 08, 09, 13, 18, 19
070.00 %	BAKON_437	01, 02, 04, 05, 07, 08, 09, 10, 12, 13, 14, 15, 17, 18
015.00 %	BAKON_289	01, 10, 17
035.00 %	BAKON_443	01, 03, 04, 08, 09, 10, 14
005.00 %	BAKON_283	01
030.00 %	BAKON_361	01, 07, 13, 14, 18, 19
035.00 %	BAKON_209	02, 08, 11, 14, 15, 16, 17
020.00 %	BAKON_234	02, 05, 14, 15
005.00 %	BAKON_160	02
020.00 %	BAKON_338	02, 03, 06, 18
015.00 %	BAKON_104	02, 06, 18
020.00 %	BAKON_292	03, 04, 12, 19
010.00 %	BAKON_353	03, 06
030.00 %	BAKON_317	03, 11, 12, 14, 16, 17

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Global node Presence Mean (Weighted): 41.40%

Implementation Number 115

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.2500	0.4000	0.9945	-0.3333
ML19.csv	ML01.csv	0.2500	0.4000	0.7869	0.3333
ML19.csv	ML02.csv	0.3333	0.5000	0.7869	0.4000
ML19.csv	ML03.csv	0.1765	0.3000	0.4175	1.0000
ML19.csv	ML04.csv	0.1765	0.3000	0.7869	0.3333
ML19.csv	ML05.csv	0.1111	0.2000	0.7869	1.0000
ML19.csv	ML06.csv	0.5385	0.7000	0.4175	0.2381
ML19.csv	ML07.csv	0.1111	0.2000	0.4175	1.0000
ML19.csv	ML08.csv	0.1765	0.3000	0.7869	-0.3333
ML19.csv	ML09.csv	0.2500	0.4000	0.7869	0.3333
ML19.csv	ML10.csv	0.2500	0.4000	0.4175	1.0000
ML19.csv	ML11.csv	0.2500	0.4000	0.7869	0.6667
ML19.csv	ML12.csv	0.3333	0.5000	0.9945	0.4000
ML19.csv	ML13.csv	0.2500	0.4000	0.9945	-0.3333
ML19.csv	ML14.csv	0.1765	0.3000	0.9945	1.0000
ML19.csv	ML15.csv	0.1765	0.3000	0.7869	1.0000
ML19.csv	ML16.csv	0.1111	0.2000	0.7869	-1.0000
ML19.csv	ML17.csv	0.1765	0.3000	0.4175	0.3333
ML19.csv	ML18.csv	0.2500	0.4000	0.9945	-0.3333
ML00.csv	ML01.csv	0.1765	0.3000	0.1678	-0.3333
ML00.csv	ML02.csv	0.3333	0.5000	0.9945	0.8000
ML00.csv	ML03.csv	0.3333	0.5000	0.1678	0.2000
ML00.csv	ML04.csv	0.3333	0.5000	0.7869	0.2000
ML00.csv	ML05.csv	0.1111	0.2000	0.7869	-1.0000
ML00.csv	ML06.csv	0.3333	0.5000	0.4175	-0.4000
ML00.csv	ML07.csv	0.2500	0.4000	0.1678	0.3333
ML00.csv	ML08.csv	0.4286	0.6000	0.4175	0.7333
ML00.csv	ML09.csv	0.5385	0.7000	0.7869	0.1429
ML00.csv	ML10.csv	0.1765	0.3000	0.7869	-0.3333
ML00.csv	ML11.csv	0.2500	0.4000	0.9945	-1.0000
ML00.csv	ML12.csv	0.3333	0.5000	0.9945	0.0000
ML00.csv	ML13.csv	0.4286	0.6000	0.7869	0.2000
ML00.csv	ML14.csv	0.2500	0.4000	0.9945	-0.6667
ML00.csv	ML15.csv	0.1765	0.3000	0.4175	-0.3333
ML00.csv	ML16.csv	0.2500	0.4000	0.7869	-1.0000

Implementation Number 115

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.4286	0.6000	0.7869	-0.3333
ML00.csv	ML18.csv	0.4286	0.6000	0.7869	-0.2000
ML01.csv	ML02.csv	0.2500	0.4000	0.4175	0.0000
ML01.csv	ML03.csv	0.1765	0.3000	0.7869	-1.0000
ML01.csv	ML04.csv	0.1765	0.3000	0.7869	1.0000
ML01.csv	ML05.csv	0.1765	0.3000	0.9945	1.0000
ML01.csv	ML06.csv	0.3333	0.5000	0.7869	-1.0000
ML01.csv	ML07.csv	0.1111	0.2000	0.9945	1.0000
ML01.csv	ML08.csv	0.1765	0.3000	0.9945	-0.3333
ML01.csv	ML09.csv	0.1765	0.3000	0.9945	0.3333
ML01.csv	ML10.csv	0.1765	0.3000	0.0524	0.3333
ML01.csv	ML11.csv	0.1765	0.3000	0.7869	-0.3333
ML01.csv	ML12.csv	0.2500	0.4000	0.7869	0.0000
ML01.csv	ML13.csv	0.4286	0.6000	0.4175	0.3333
ML01.csv	ML14.csv	0.3333	0.5000	0.4175	0.0000

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2441

Fleiss' Kappa Agreement Index (κF): 0.2069

Mean KS Distance Between Pairs (D): 0.3232

Mean p-value for KS Test Pairs: 0.6803

Mean KS Distance for Multiple Samples (D_{mult}): 0.2363

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.6161

Mean Kendall Tau ($\bar{\tau}$): 0.2396

Median Kendall Tau ($\tilde{\tau}$): 0.3333

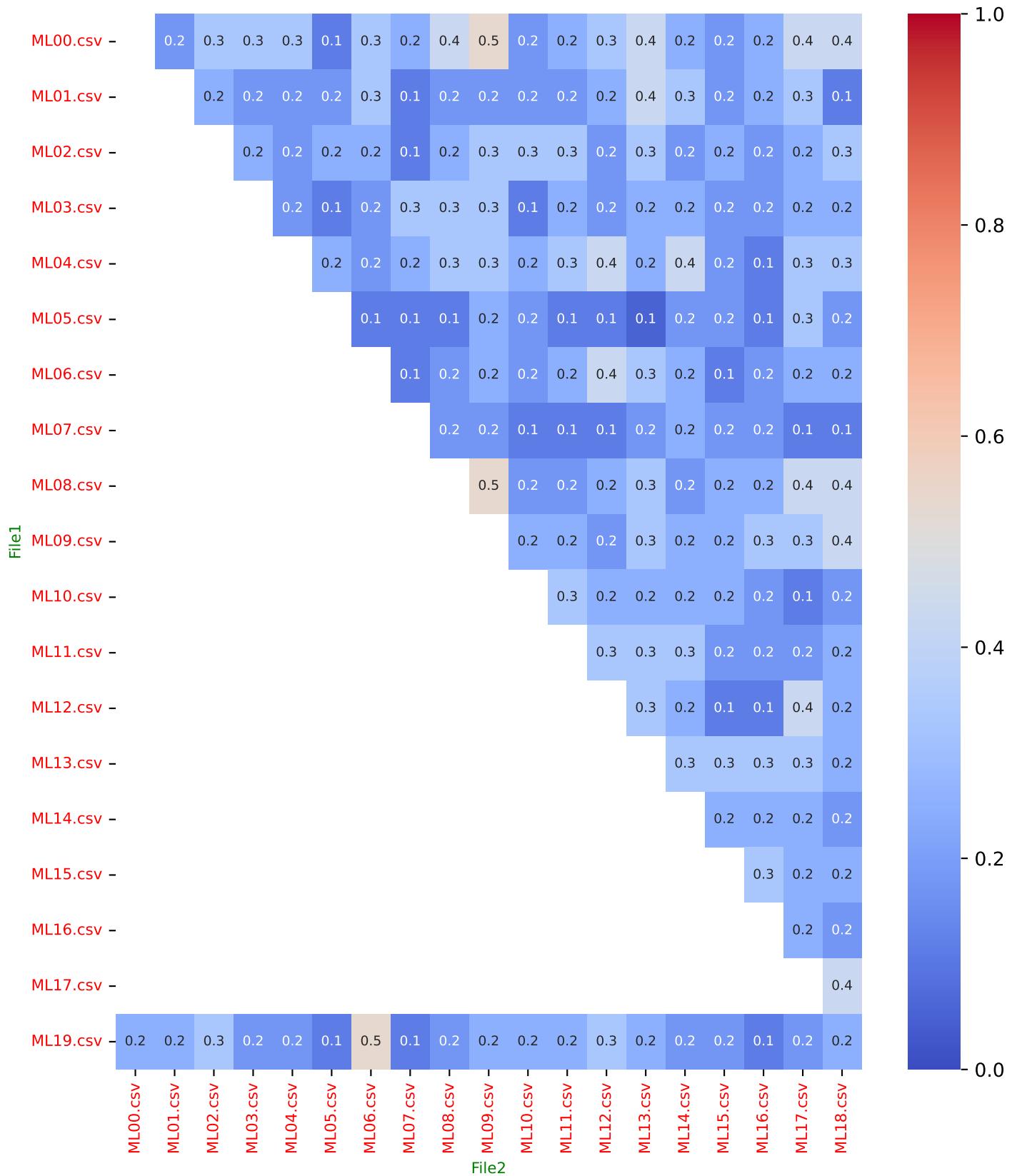
Percentage of Pairs with $\tau > 0$: 64.74%

Implementation Number 115

Parameters: Top_N = 10
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenness centrality

Heatmap of Jaccard Coefficient



Implementation Number 115

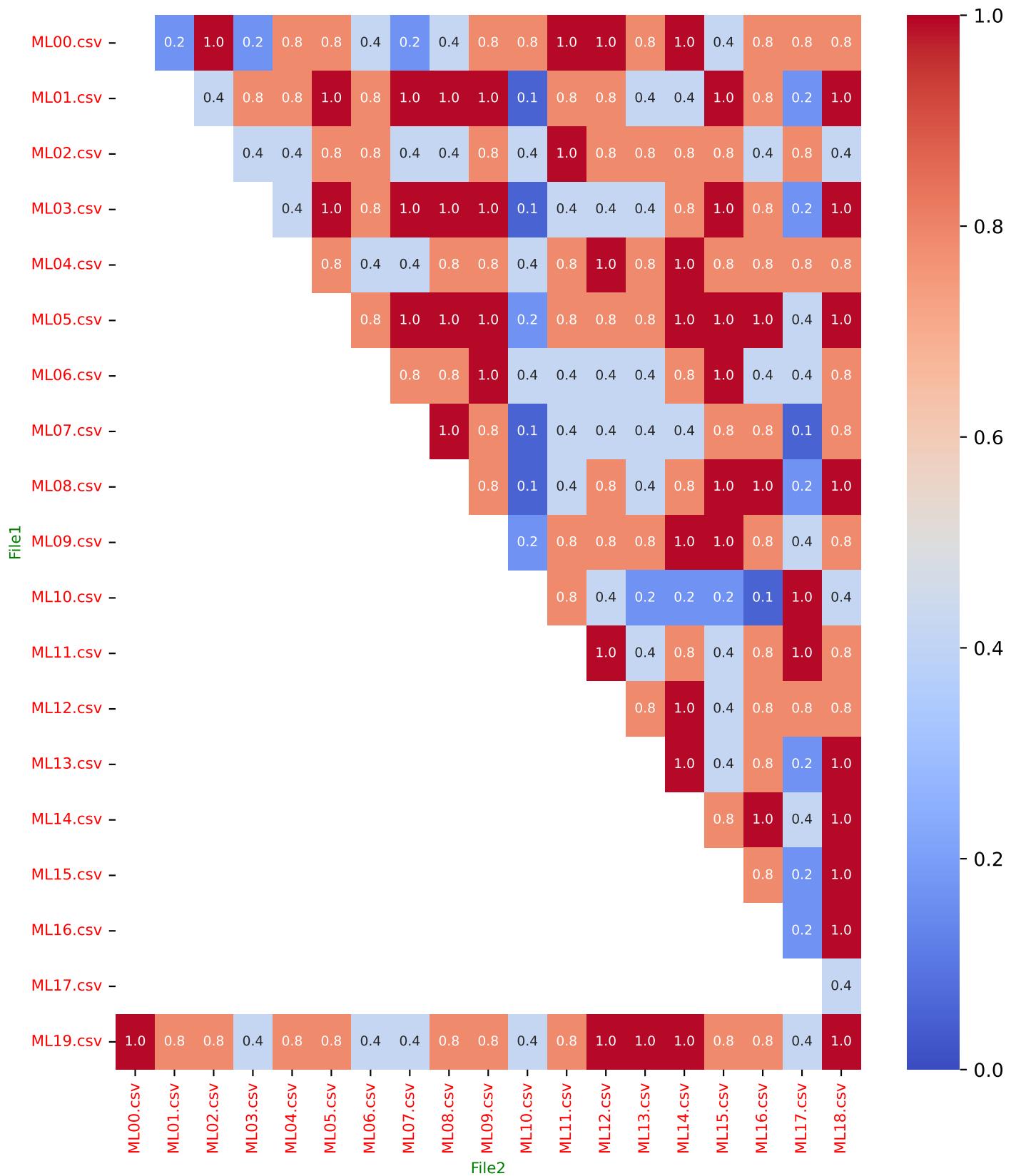
Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Betweennesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

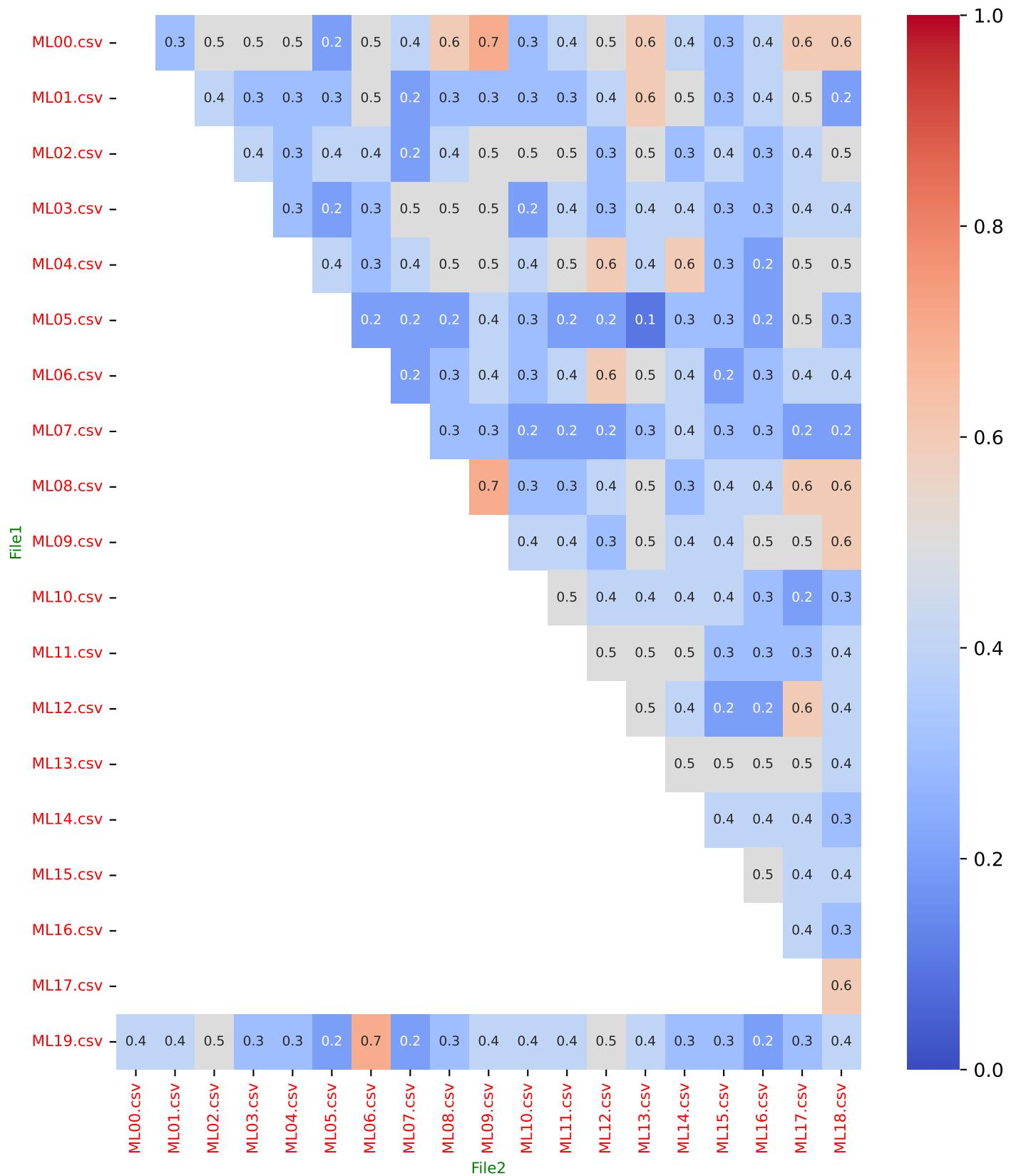


Implementation Number 115

Parameters: Top_N = 10
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenness centrality

Heatmap of Overlap Coefficient

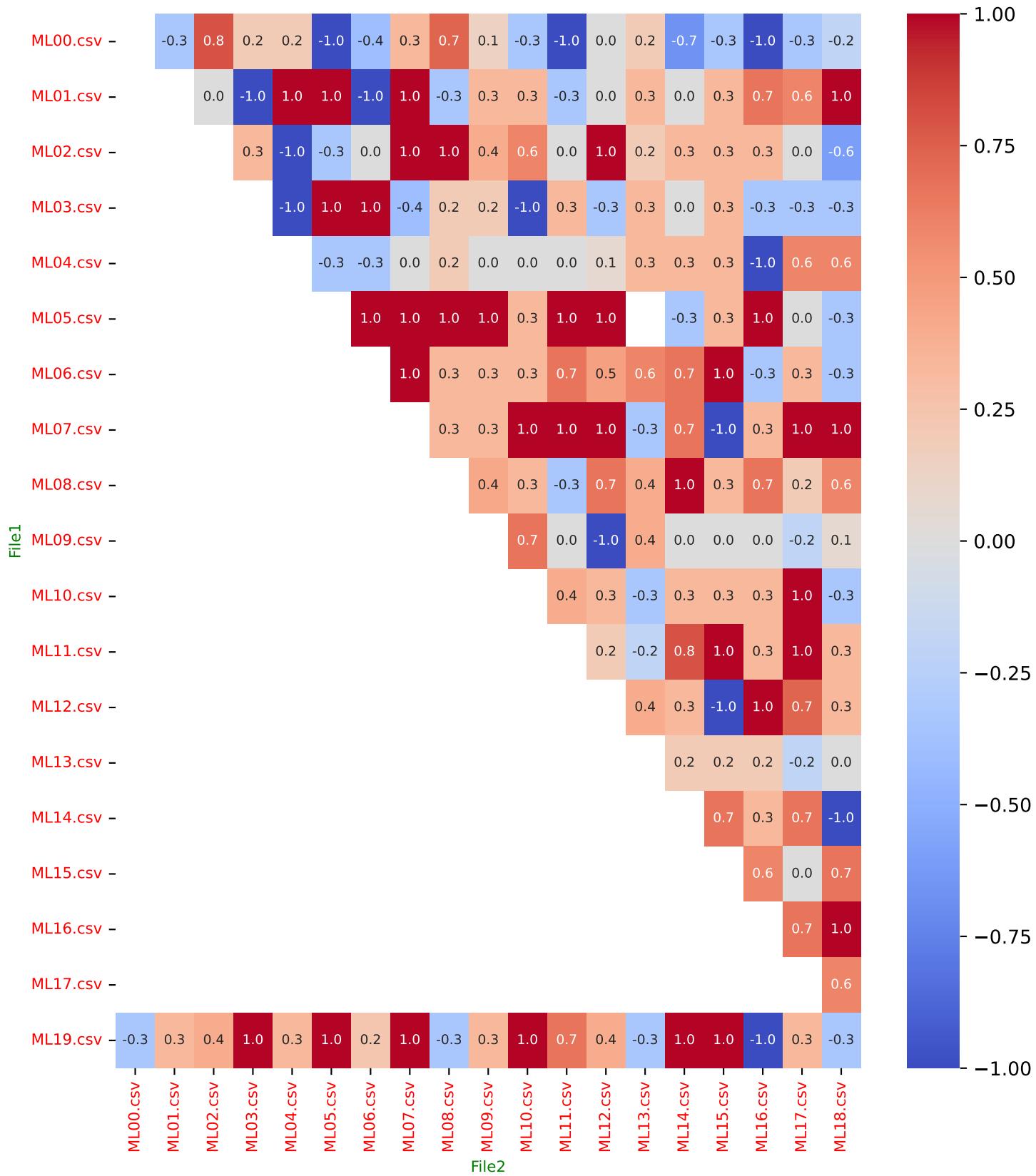


Implementation Number 115

Parameters: Top_N = 10
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 116

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 20
Number of Files: 20**

Implementation Number 116

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 116

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 116

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
065.00 %	BAKON_211	00, 01, 03, 04, 05, 06, 07, 08, 10, 11, 12, 15, 19
070.00 %	BAKON_422	00, 01, 02, 03, 05, 09, 10, 11, 12, 13, 14, 16, 18, 19
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
025.00 %	BAKON_604	00, 02, 04, 08, 10
015.00 %	BAKON_239	00, 03, 07
080.00 %	BAKON_478	00, 01, 02, 03, 04, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19
010.00 %	BAKON_450	00, 19
045.00 %	BAKON_571	00, 04, 06, 07, 08, 09, 12, 13, 18
040.00 %	BAKON_098	00, 01, 02, 07, 08, 12, 13, 14
070.00 %	BAKON_572	00, 02, 03, 04, 05, 06, 07, 09, 11, 12, 13, 15, 18, 19
020.00 %	BAKON_343	00, 07, 10, 14
095.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
040.00 %	BAKON_425	00, 03, 05, 06, 07, 14, 16, 19
075.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 13, 14, 15, 16, 17, 18, 19
065.00 %	BAKON_317	00, 01, 02, 03, 05, 08, 09, 11, 12, 14, 16, 17, 18
035.00 %	BAKON_319	00, 02, 03, 08, 09, 14, 17
030.00 %	BAKON_293	00, 05, 06, 13, 15, 18
030.00 %	BAKON_570	00, 03, 06, 13, 15, 18
010.00 %	BAKON_475	00, 06
050.00 %	BAKON_337	00, 01, 02, 03, 04, 06, 10, 11, 14, 17
040.00 %	BAKON_212	01, 04, 05, 08, 09, 13, 18, 19
020.00 %	BAKON_289	01, 10, 14, 17
045.00 %	BAKON_443	01, 02, 03, 04, 08, 09, 10, 12, 14

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Global node Presence Mean (Weighted): 45.60%

Implementation Number 116

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.2903	0.4500	0.5713	0.3889
ML19.csv	ML01.csv	0.3793	0.5500	0.8320	0.2000
ML19.csv	ML02.csv	0.3793	0.5500	0.1745	0.4909
ML19.csv	ML03.csv	0.2903	0.4500	0.8320	0.0556
ML19.csv	ML04.csv	0.2500	0.4000	0.9831	0.1429
ML19.csv	ML05.csv	0.3793	0.5500	0.5713	0.2727
ML19.csv	ML06.csv	0.3793	0.5500	0.5713	0.5273
ML19.csv	ML07.csv	0.2500	0.4000	0.3356	0.2143
ML19.csv	ML08.csv	0.2903	0.4500	0.9831	0.3333
ML19.csv	ML09.csv	0.2903	0.4500	0.3356	0.1667
ML19.csv	ML10.csv	0.2500	0.4000	0.5713	0.4286
ML19.csv	ML11.csv	0.2500	0.4000	0.3356	0.2857
ML19.csv	ML12.csv	0.3333	0.5000	0.8320	0.2889
ML19.csv	ML13.csv	0.3793	0.5500	0.8320	0.2364
ML19.csv	ML14.csv	0.2500	0.4000	0.9831	0.4286
ML19.csv	ML15.csv	0.2121	0.3500	0.8320	0.2381
ML19.csv	ML16.csv	0.2121	0.3500	0.8320	0.5238
ML19.csv	ML17.csv	0.3333	0.5000	0.5713	0.3778
ML19.csv	ML18.csv	0.2903	0.4500	0.3356	0.1111
ML00.csv	ML01.csv	0.4815	0.6500	0.5713	0.4103
ML00.csv	ML02.csv	0.2903	0.4500	0.1745	0.8333
ML00.csv	ML03.csv	0.2500	0.4000	0.5713	0.3571
ML00.csv	ML04.csv	0.2500	0.4000	0.9831	0.3571
ML00.csv	ML05.csv	0.2500	0.4000	0.3356	0.0714
ML00.csv	ML06.csv	0.2903	0.4500	0.8320	0.3333
ML00.csv	ML07.csv	0.2903	0.4500	0.5713	0.3333
ML00.csv	ML08.csv	0.3333	0.5000	0.5713	0.4222
ML00.csv	ML09.csv	0.3793	0.5500	0.0335	0.4909
ML00.csv	ML10.csv	0.2903	0.4500	0.9831	0.0556
ML00.csv	ML11.csv	0.2903	0.4500	0.9831	0.1667
ML00.csv	ML12.csv	0.2500	0.4000	0.8320	0.2857
ML00.csv	ML13.csv	0.4815	0.6500	0.9831	0.3590
ML00.csv	ML14.csv	0.2903	0.4500	0.8320	0.4226
ML00.csv	ML15.csv	0.3333	0.5000	0.3356	0.0667
ML00.csv	ML16.csv	0.2903	0.4500	0.8320	0.1111

Implementation Number 116

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.3333	0.5000	0.5713	0.3778
ML00.csv	ML18.csv	0.2903	0.4500	0.3356	-0.1667
ML01.csv	ML02.csv	0.3333	0.5000	0.8320	0.2000
ML01.csv	ML03.csv	0.2500	0.4000	0.8320	0.0000
ML01.csv	ML04.csv	0.2903	0.4500	0.8320	0.0000
ML01.csv	ML05.csv	0.2903	0.4500	0.9831	0.0000
ML01.csv	ML06.csv	0.2903	0.4500	0.8320	0.0556
ML01.csv	ML07.csv	0.2903	0.4500	0.3356	0.0556
ML01.csv	ML08.csv	0.3793	0.5500	0.9831	0.2000
ML01.csv	ML09.csv	0.3333	0.5000	0.5713	0.5111
ML01.csv	ML10.csv	0.3333	0.5000	0.3356	-0.0667
ML01.csv	ML11.csv	0.2903	0.4500	0.5713	-0.2222
ML01.csv	ML12.csv	0.2500	0.4000	0.8320	-0.1429
ML01.csv	ML13.csv	0.4815	0.6500	0.5713	0.5897
ML01.csv	ML14.csv	0.2500	0.4000	0.8320	0.5714

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2753

Fleiss' Kappa Agreement Index (κ_F): 0.2614

Mean KS Distance Between Pairs (D): 0.2553

Mean p-value for KS Test Pairs: 0.5616

Mean KS Distance for Multiple Samples (D_{mult}): 0.1809

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5481

Mean Kendall Tau ($\bar{\tau}$): 0.2494

Median Kendall Tau ($\tilde{\tau}$): 0.2817

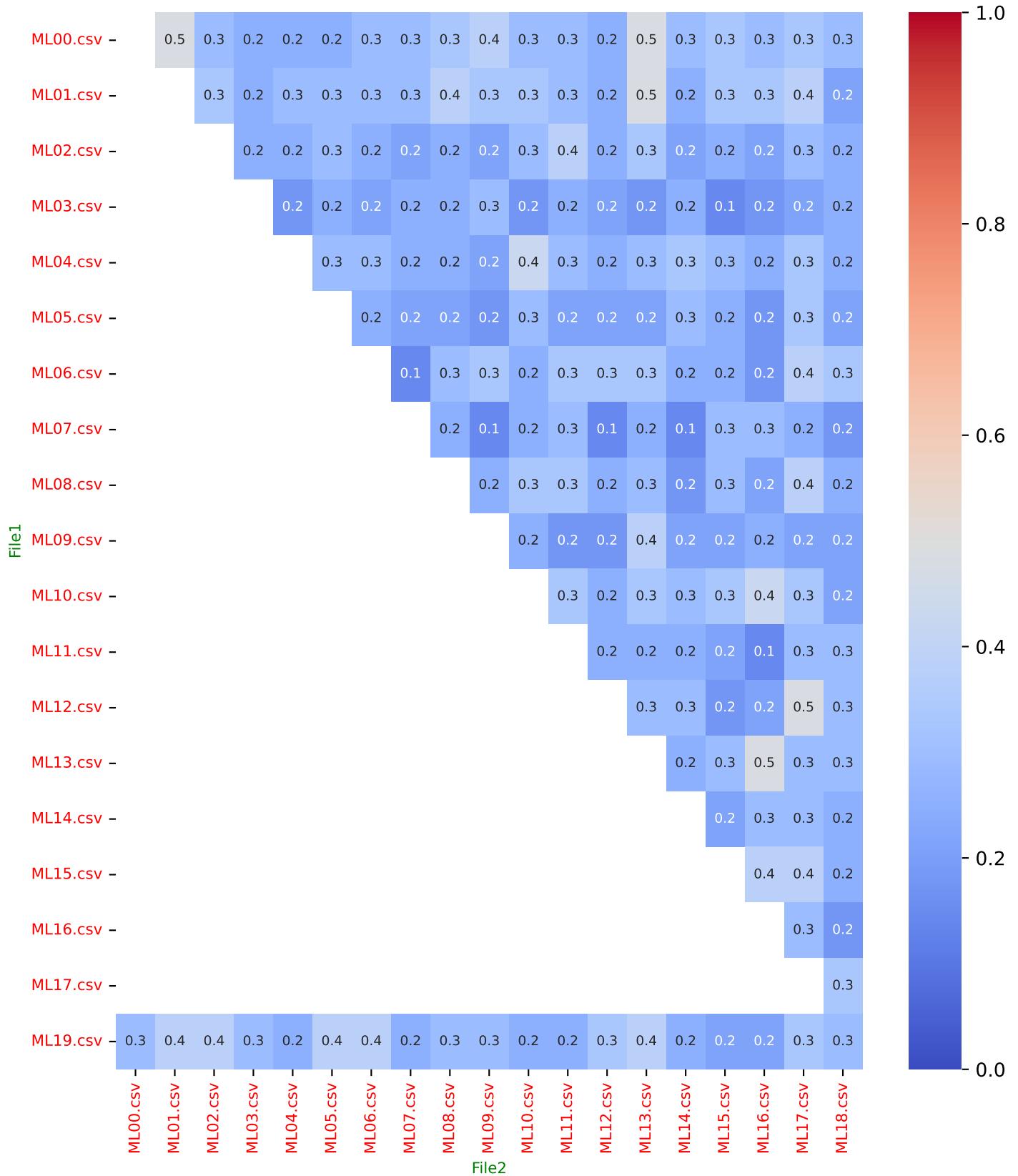
Percentage of Pairs with $\tau > 0$: 80.53%

Implementation Number 116

Parameters: Top_N = 20
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenness centrality

Heatmap of Jaccard Coefficient

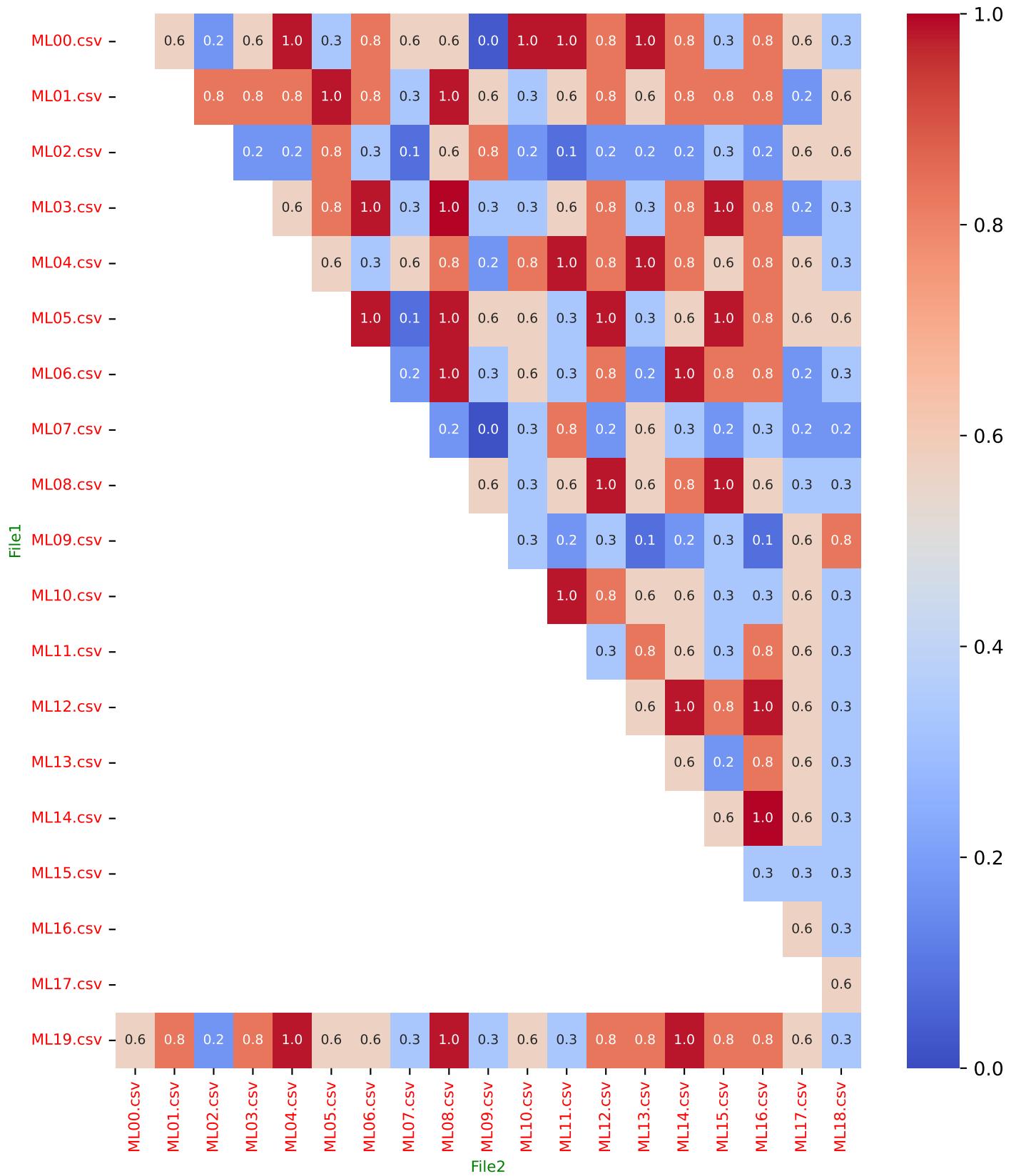


Implementation Number 116

Parameters: Top_N = 20
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

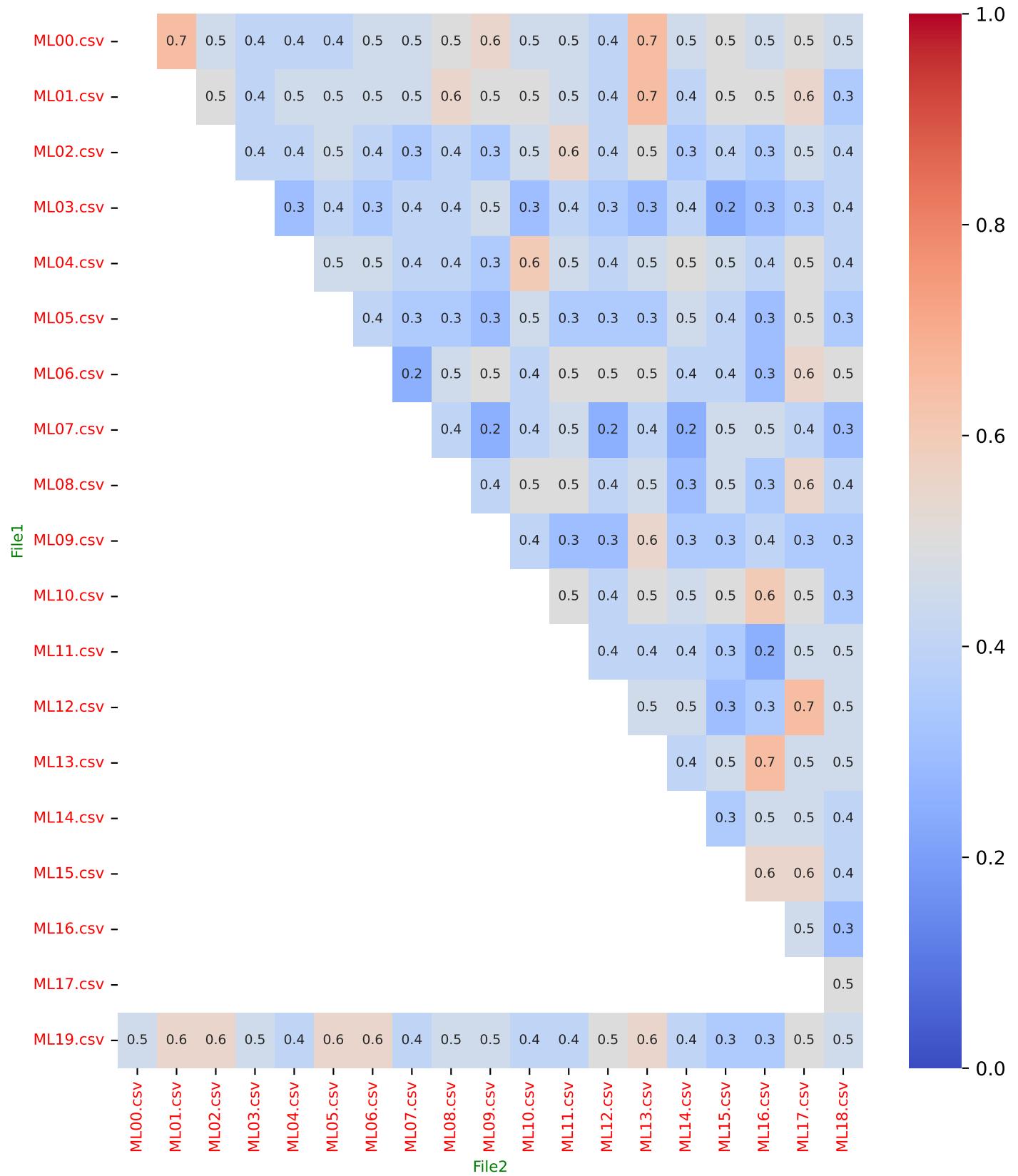


Implementation Number 116

Parameters: Top_N = 20
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

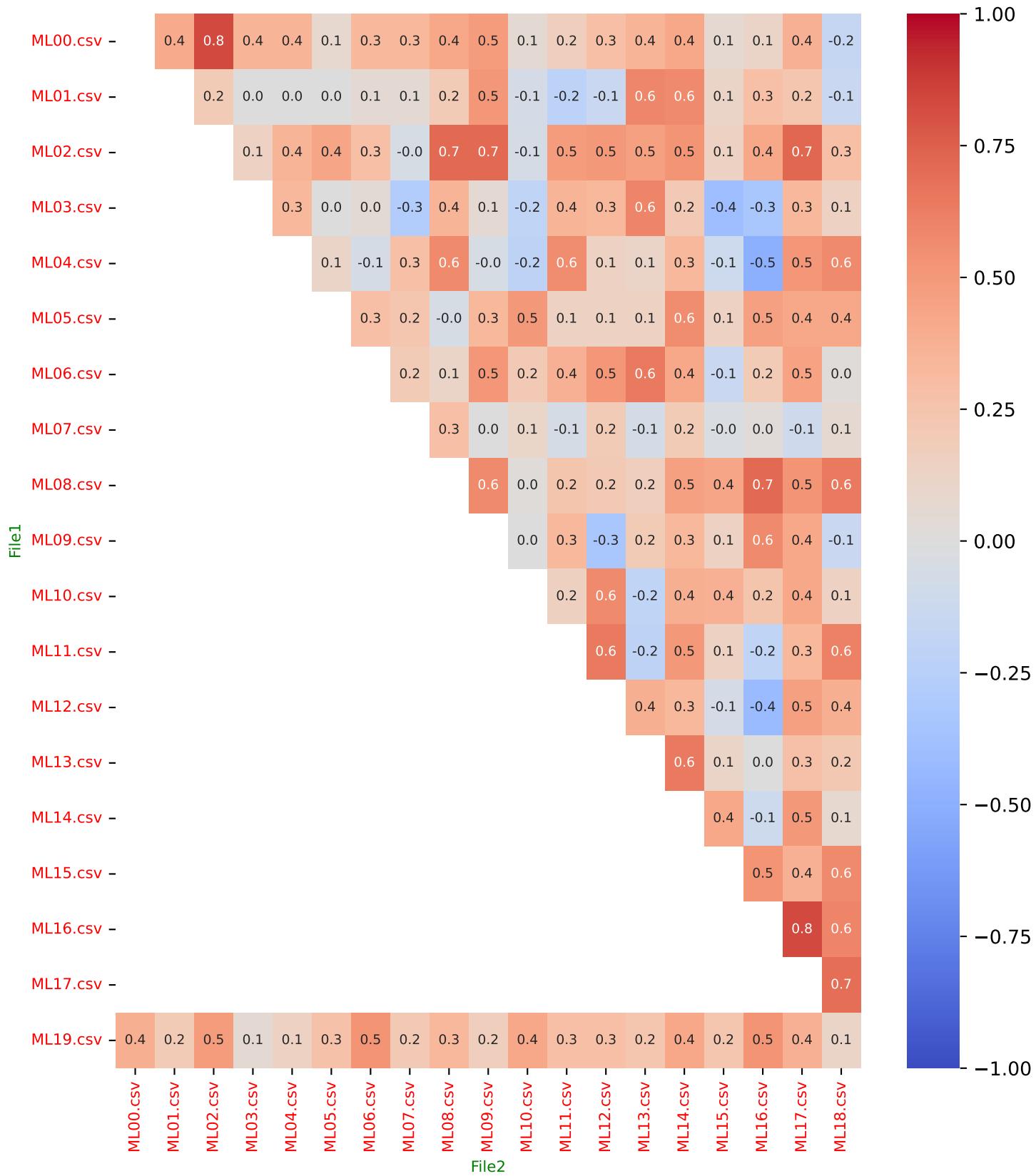


Implementation Number 116

Parameters: Top_N = 20
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenness centrality

Heatmap of Kendall Tau Correlation



Implementation 117

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 30
Number of Files: 20**

Implementation Number 117

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 117

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 117

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
070.00 %	BAKON_211	00, 01, 03, 04, 05, 06, 07, 08, 10, 11, 12, 15, 16, 19
080.00 %	BAKON_422	00, 01, 02, 03, 05, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 19
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
025.00 %	BAKON_604	00, 02, 04, 08, 10
015.00 %	BAKON_239	00, 03, 07
085.00 %	BAKON_478	00, 01, 02, 03, 04, 06, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19
015.00 %	BAKON_450	00, 04, 19
055.00 %	BAKON_571	00, 01, 04, 06, 07, 08, 09, 12, 13, 14, 18
055.00 %	BAKON_098	00, 01, 02, 07, 08, 09, 12, 13, 14, 17, 19
080.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 11, 12, 13, 14, 15, 18, 19
035.00 %	BAKON_343	00, 01, 07, 09, 10, 14, 17
095.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
050.00 %	BAKON_425	00, 02, 03, 05, 06, 07, 14, 15, 16, 19
080.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19
085.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12, 13, 14, 16, 17, 18
070.00 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 14, 17, 18
040.00 %	BAKON_293	00, 02, 05, 06, 12, 13, 15, 18
060.00 %	BAKON_570	00, 03, 04, 05, 06, 07, 09, 11, 12, 13, 15, 18
010.00 %	BAKON_475	00, 06
085.00 %	BAKON_337	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 17, 18
025.00 %	BAKON_374	00, 01, 06, 10, 15
075.00 %	BAKON_344	00, 01, 03, 05, 07, 08, 10, 11, 12, 13, 14, 15, 16, 17, 18

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Global node Presence Mean (Weighted): 47.93%

Implementation Number 117

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.3953	0.5667	0.8080	0.2140
ML19.csv	ML01.csv	0.3043	0.4667	0.5941	0.2747
ML19.csv	ML02.csv	0.2766	0.4333	0.3929	0.4103
ML19.csv	ML03.csv	0.3636	0.5333	0.9578	0.2167
ML19.csv	ML04.csv	0.2245	0.3667	0.9988	0.1636
ML19.csv	ML05.csv	0.3953	0.5667	0.5941	0.2206
ML19.csv	ML06.csv	0.3636	0.5333	0.8080	0.6833
ML19.csv	ML07.csv	0.2500	0.4000	0.3929	0.1515
ML19.csv	ML08.csv	0.3636	0.5333	0.8080	0.2833
ML19.csv	ML09.csv	0.2500	0.4000	0.1350	0.3636
ML19.csv	ML10.csv	0.2766	0.4333	0.8080	0.4103
ML19.csv	ML11.csv	0.3636	0.5333	0.5941	0.3833
ML19.csv	ML12.csv	0.2766	0.4333	0.9578	0.2821
ML19.csv	ML13.csv	0.3636	0.5333	0.8080	0.1333
ML19.csv	ML14.csv	0.3636	0.5333	0.5941	0.4333
ML19.csv	ML15.csv	0.2000	0.3333	0.9578	0.2000
ML19.csv	ML16.csv	0.2500	0.4000	0.9578	0.1515
ML19.csv	ML17.csv	0.3043	0.4667	0.2391	0.5824
ML19.csv	ML18.csv	0.2245	0.3667	0.0065	0.2727
ML00.csv	ML01.csv	0.3953	0.5667	0.8080	0.1324
ML00.csv	ML02.csv	0.2500	0.4000	0.3929	0.6667
ML00.csv	ML03.csv	0.2500	0.4000	0.8080	0.5455
ML00.csv	ML04.csv	0.2766	0.4333	0.8080	0.4615
ML00.csv	ML05.csv	0.3333	0.5000	0.5941	0.1531
ML00.csv	ML06.csv	0.3953	0.5667	0.5941	0.2941
ML00.csv	ML07.csv	0.3043	0.4667	0.5941	0.3846
ML00.csv	ML08.csv	0.4634	0.6333	0.8080	0.4386
ML00.csv	ML09.csv	0.3043	0.4667	0.1350	0.4945
ML00.csv	ML10.csv	0.2766	0.4333	0.9578	0.2564
ML00.csv	ML11.csv	0.3333	0.5000	0.5941	0.2762
ML00.csv	ML12.csv	0.3636	0.5333	0.9578	0.3833
ML00.csv	ML13.csv	0.4286	0.6000	0.9578	0.5033
ML00.csv	ML14.csv	0.2766	0.4333	0.9578	0.1677
ML00.csv	ML15.csv	0.3043	0.4667	0.5941	0.3187
ML00.csv	ML16.csv	0.3636	0.5333	0.9578	0.1500

Implementation Number 117

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.3953	0.5667	0.3929	0.6029
ML00.csv	ML18.csv	0.2245	0.3667	0.2391	0.1273
ML01.csv	ML02.csv	0.3953	0.5667	0.9578	0.5441
ML01.csv	ML03.csv	0.3333	0.5000	0.5941	0.2952
ML01.csv	ML04.csv	0.3043	0.4667	0.3929	0.0110
ML01.csv	ML05.csv	0.3043	0.4667	0.9988	0.1209
ML01.csv	ML06.csv	0.3333	0.5000	0.1350	0.2571
ML01.csv	ML07.csv	0.3953	0.5667	0.1350	0.1618
ML01.csv	ML08.csv	0.3953	0.5667	0.9988	-0.1029
ML01.csv	ML09.csv	0.3043	0.4667	0.8080	0.6923
ML01.csv	ML10.csv	0.3043	0.4667	0.3929	-0.0110
ML01.csv	ML11.csv	0.3043	0.4667	0.0709	0.2967
ML01.csv	ML12.csv	0.2766	0.4333	0.3929	0.0256
ML01.csv	ML13.csv	0.3636	0.5333	0.8080	0.4833
ML01.csv	ML14.csv	0.3043	0.4667	0.8080	0.4725

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2951

Fleiss' Kappa Agreement Index (κ_F): 0.2692

Mean KS Distance Between Pairs (D): 0.2223

Mean p-value for KS Test Pairs: 0.5306

Mean KS Distance for Multiple Samples (D_{mult}): 0.1587

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5060

Mean Kendall Tau ($\bar{\tau}$): 0.2819

Median Kendall Tau ($\tilde{\tau}$): 0.2778

Percentage of Pairs with $\tau > 0$: 90.00%

Implementation Number 117

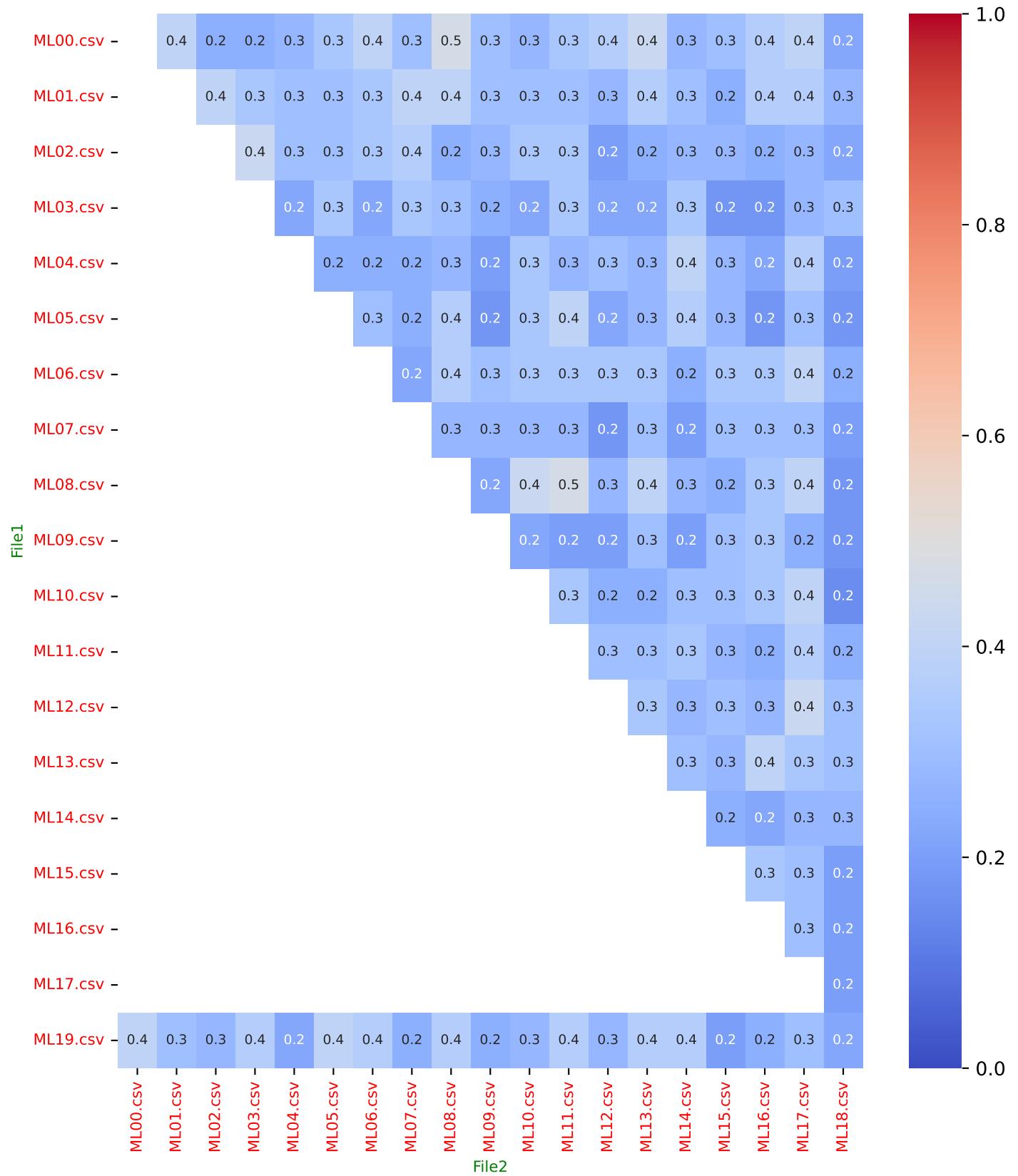
Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient



Implementation Number 117

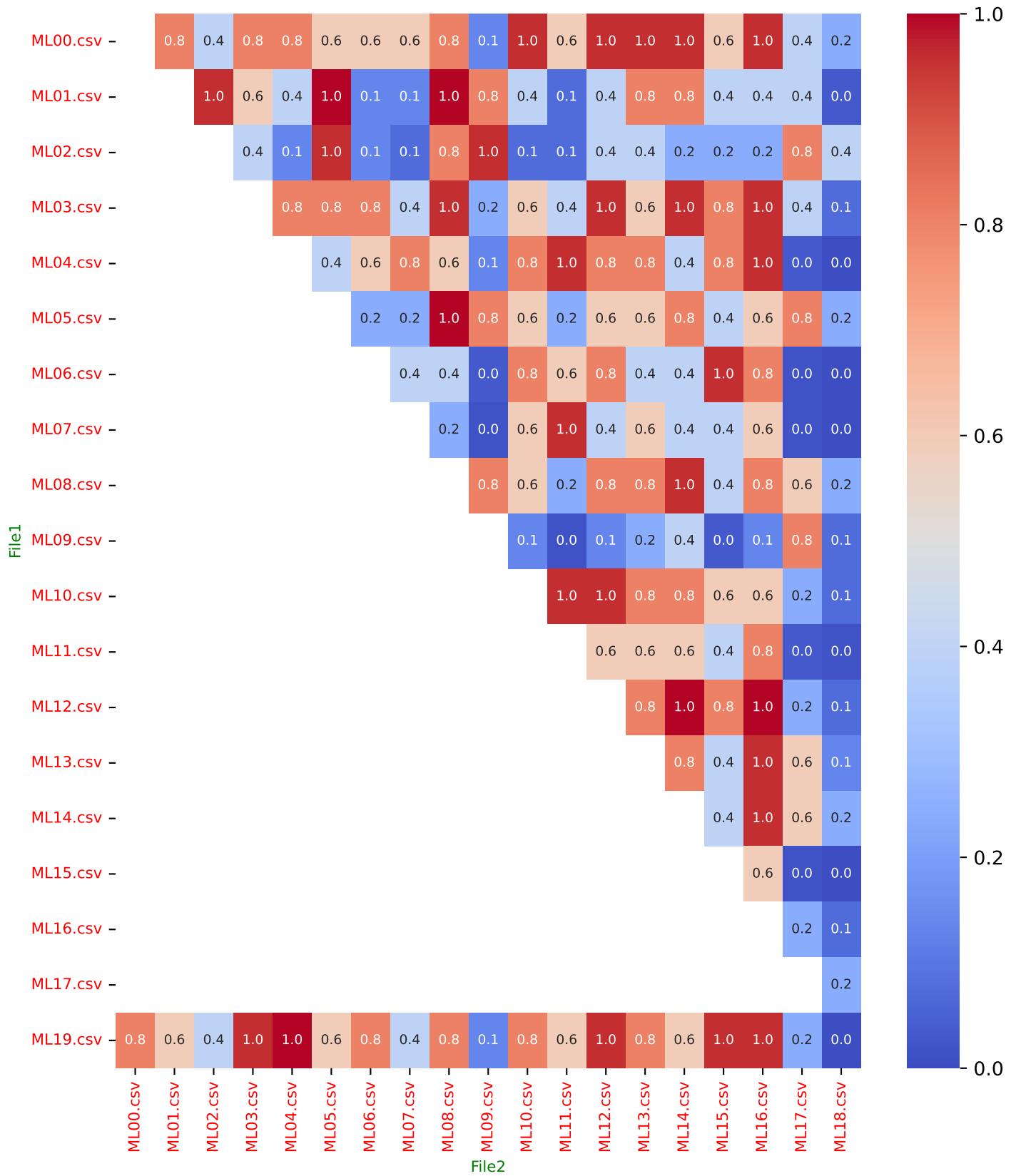
Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)



Implementation Number 117

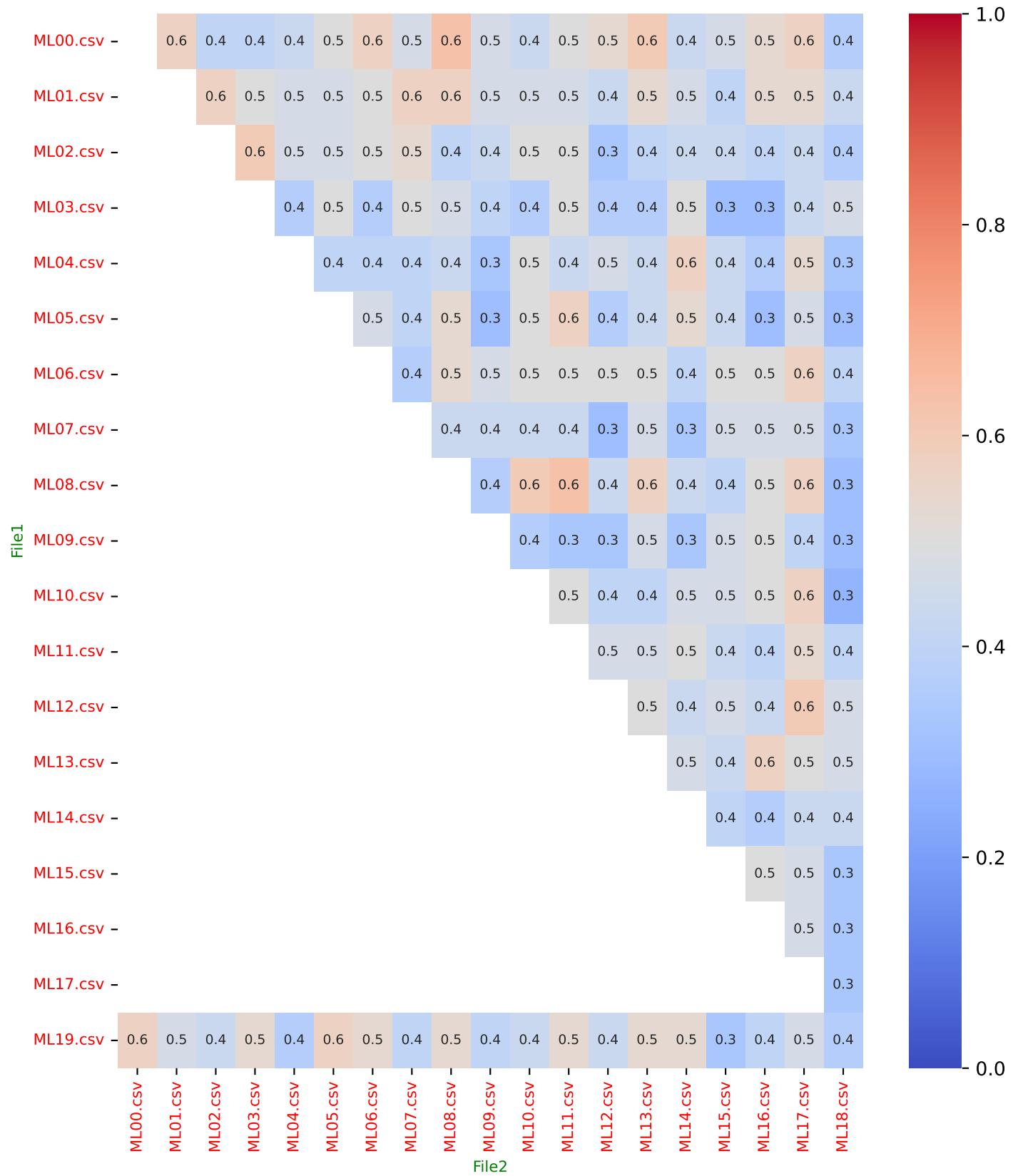
Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient



Implementation Number 117

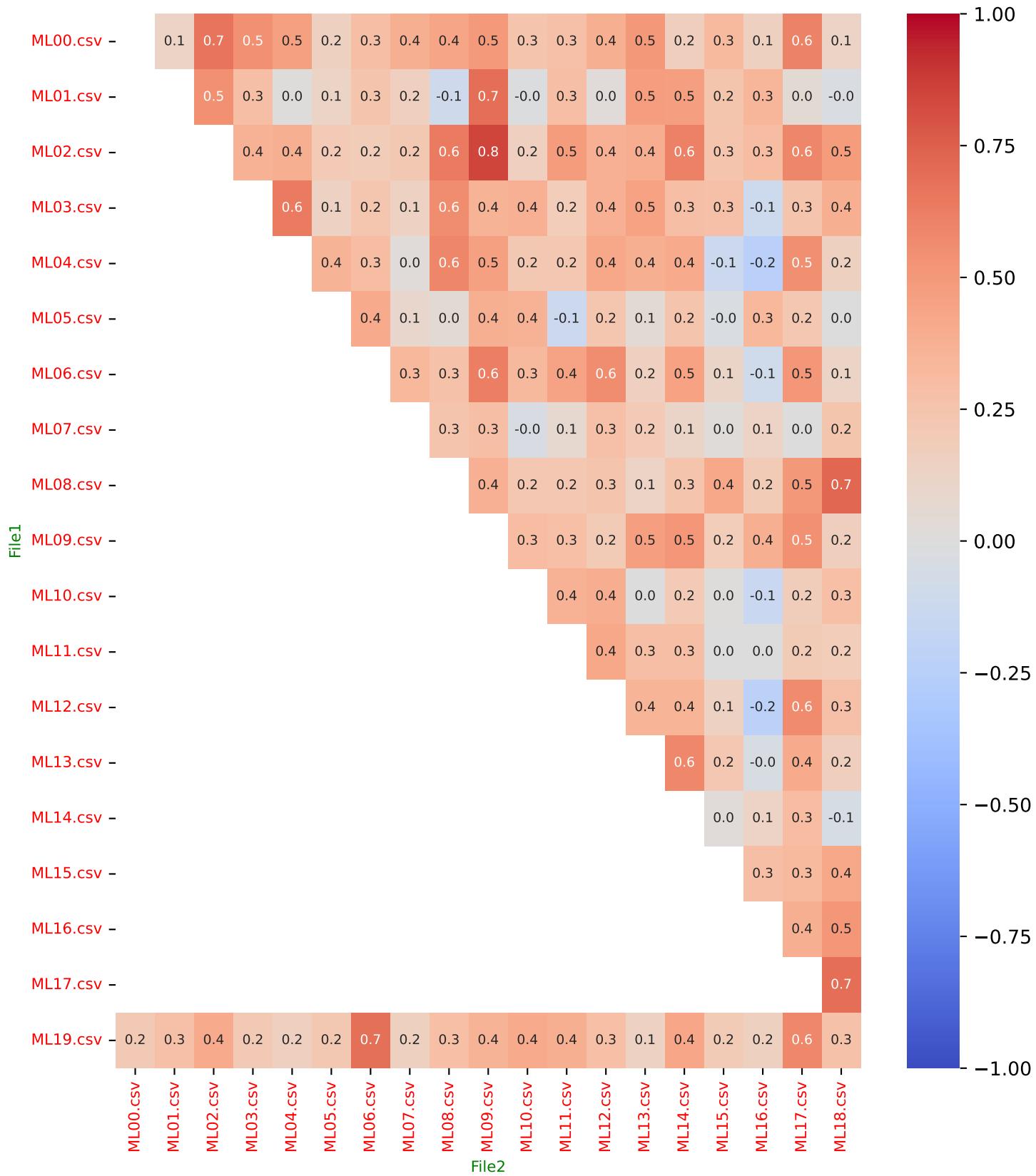
Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 118

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 50
Number of Files: 20**

Implementation Number 118

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 118

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 118

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
085.00 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 19
095.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
050.00 %	BAKON_604	00, 02, 04, 07, 08, 10, 11, 12, 13, 18
030.00 %	BAKON_239	00, 03, 04, 07, 10, 16
090.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19
035.00 %	BAKON_450	00, 04, 05, 06, 09, 17, 19
065.00 %	BAKON_571	00, 01, 04, 06, 07, 08, 09, 12, 13, 14, 16, 17, 18
055.00 %	BAKON_098	00, 01, 02, 07, 08, 09, 12, 13, 14, 17, 19
095.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
040.00 %	BAKON_343	00, 01, 04, 07, 09, 10, 14, 17
095.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
085.00 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12, 14, 15, 16, 18, 19
080.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19
090.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18
085.00 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 15, 17, 18
045.00 %	BAKON_293	00, 02, 05, 06, 12, 13, 14, 15, 18
090.00 %	BAKON_570	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12, 13, 14, 15, 16, 18, 19
015.00 %	BAKON_475	00, 06, 14
090.00 %	BAKON_337	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 17, 18

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Global node Presence Mean (Weighted): 55.89%

Implementation Number 118

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.3333	0.5000	0.0217	0.3907
ML19.csv	ML01.csv	0.4085	0.5800	0.5487	0.2069
ML19.csv	ML02.csv	0.3514	0.5200	0.0678	0.6040
ML19.csv	ML03.csv	0.4085	0.5800	0.3959	0.2759
ML19.csv	ML04.csv	0.3333	0.5000	0.9667	0.2571
ML19.csv	ML05.csv	0.3514	0.5200	0.2719	0.2404
ML19.csv	ML06.csv	0.4925	0.6600	0.9667	0.4190
ML19.csv	ML07.csv	0.3333	0.5000	0.7166	0.2972
ML19.csv	ML08.csv	0.4085	0.5800	0.1786	0.2217
ML19.csv	ML09.csv	0.3699	0.5400	0.3959	0.3024
ML19.csv	ML10.csv	0.3158	0.4800	0.1124	0.1957
ML19.csv	ML11.csv	0.3514	0.5200	0.1124	0.2738
ML19.csv	ML12.csv	0.3333	0.5000	0.3959	0.4800
ML19.csv	ML13.csv	0.4493	0.6200	0.3959	0.3548
ML19.csv	ML14.csv	0.3889	0.5600	0.3959	0.2857
ML19.csv	ML15.csv	0.3158	0.4800	0.9977	0.1377
ML19.csv	ML16.csv	0.3514	0.5200	0.1124	0.2246
ML19.csv	ML17.csv	0.3514	0.5200	0.2719	0.3723
ML19.csv	ML18.csv	0.2500	0.4000	0.0058	0.4316
ML00.csv	ML01.csv	0.4493	0.6200	0.2719	0.0904
ML00.csv	ML02.csv	0.3699	0.5400	0.7166	0.5670
ML00.csv	ML03.csv	0.4286	0.6000	0.1786	0.2762
ML00.csv	ML04.csv	0.3514	0.5200	0.1786	0.1849
ML00.csv	ML05.csv	0.3333	0.5000	0.0678	0.3038
ML00.csv	ML06.csv	0.4493	0.6200	0.0217	0.3445
ML00.csv	ML07.csv	0.4493	0.6200	0.0217	0.2110
ML00.csv	ML08.csv	0.4085	0.5800	0.2719	0.4828
ML00.csv	ML09.csv	0.3889	0.5600	0.0058	0.3682
ML00.csv	ML10.csv	0.3514	0.5200	0.2719	0.3477
ML00.csv	ML11.csv	0.2987	0.4600	0.0392	0.6364
ML00.csv	ML12.csv	0.4493	0.6200	0.0115	0.2583
ML00.csv	ML13.csv	0.3699	0.5400	0.5487	0.4359
ML00.csv	ML14.csv	0.3514	0.5200	0.1786	0.1602
ML00.csv	ML15.csv	0.4286	0.6000	0.0058	0.3793
ML00.csv	ML16.csv	0.4085	0.5800	0.0217	0.2512

Implementation Number 118

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.4085	0.5800	0.0392	0.5222
ML00.csv	ML18.csv	0.3333	0.5000	0.5487	0.3105
ML01.csv	ML02.csv	0.3699	0.5400	0.7166	0.4245
ML01.csv	ML03.csv	0.3699	0.5400	0.8693	0.3048
ML01.csv	ML04.csv	0.3333	0.5000	0.5487	0.2838
ML01.csv	ML05.csv	0.3699	0.5400	0.8693	0.1852
ML01.csv	ML06.csv	0.4706	0.6400	0.3959	0.3451
ML01.csv	ML07.csv	0.4085	0.5800	0.3959	0.2737
ML01.csv	ML08.csv	0.4286	0.6000	0.8693	0.3241
ML01.csv	ML09.csv	0.3514	0.5200	0.2719	0.1754
ML01.csv	ML10.csv	0.4286	0.6000	0.5487	0.1954
ML01.csv	ML11.csv	0.4085	0.5800	0.2719	0.2414
ML01.csv	ML12.csv	0.4085	0.5800	0.3959	0.2660
ML01.csv	ML13.csv	0.4085	0.5800	0.9667	0.5222
ML01.csv	ML14.csv	0.4286	0.6000	0.9667	0.0943

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Global Metrics:

Mean Jaccard Coefficient (J): 0.3680

Fleiss' Kappa Agreement Index (κ_F): 0.3265

Mean KS Distance Between Pairs (D): 0.1892

Mean p-value for KS Test Pairs: 0.4240

Mean KS Distance for Multiple Samples (D_{mult}): 0.1334

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.4219

Mean Kendall Tau ($\bar{\tau}$): 0.2930

Median Kendall Tau ($\tilde{\tau}$): 0.2763

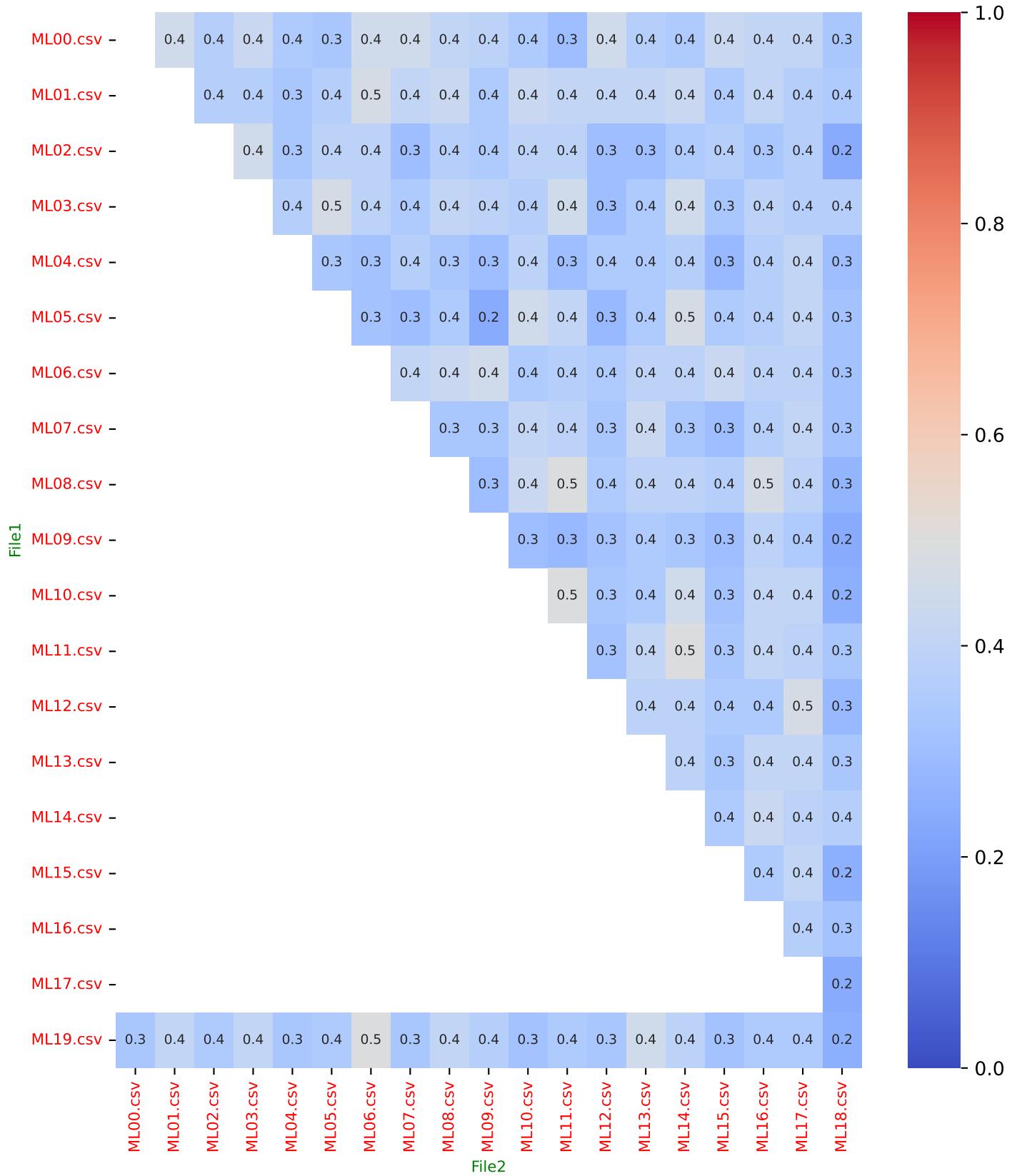
Percentage of Pairs with $\tau > 0$: 99.47%

Implementation Number 118

Parameters: Top_N = 50
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenness centrality

Heatmap of Jaccard Coefficient



Implementation Number 118

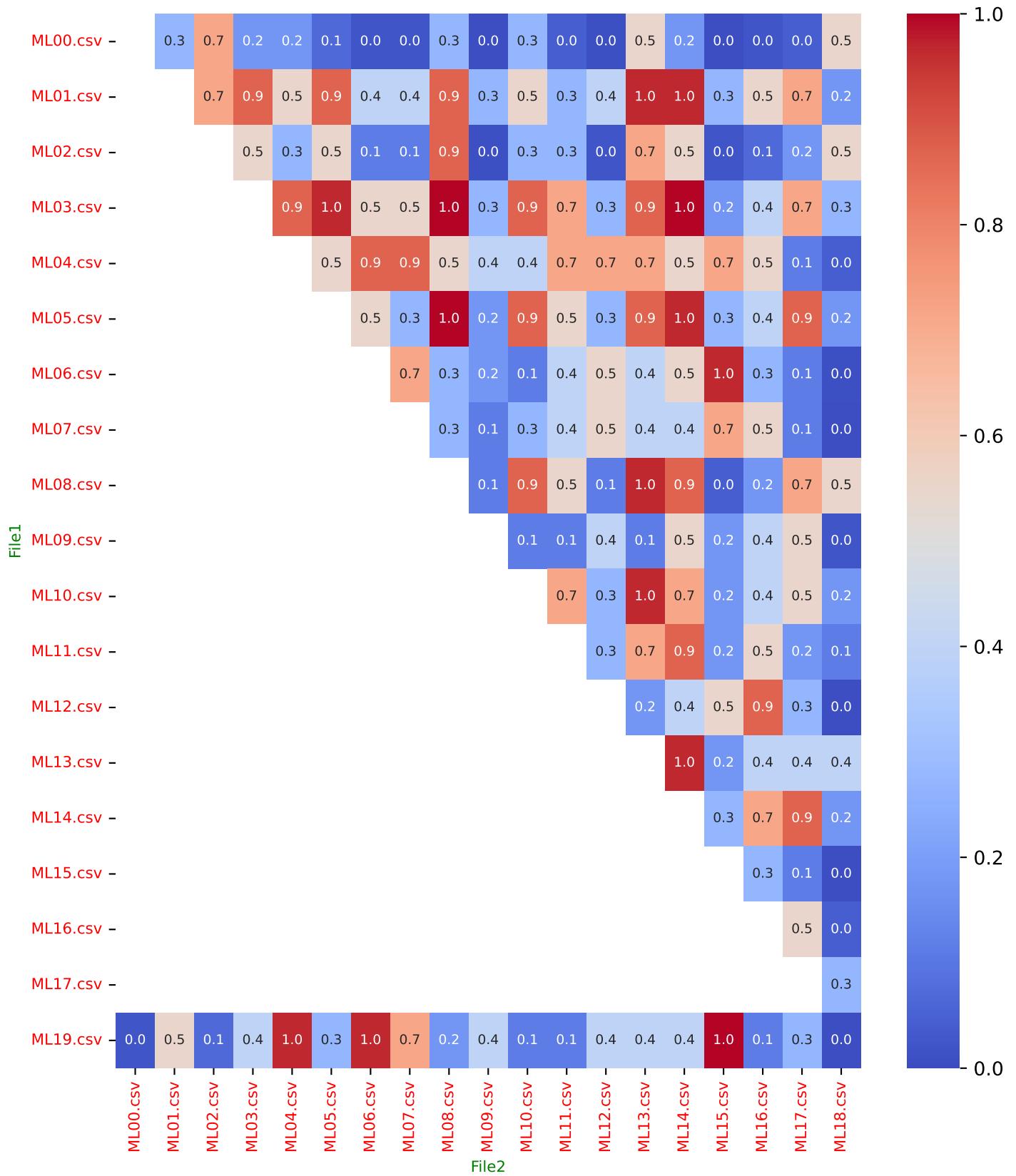
Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)



Implementation Number 118

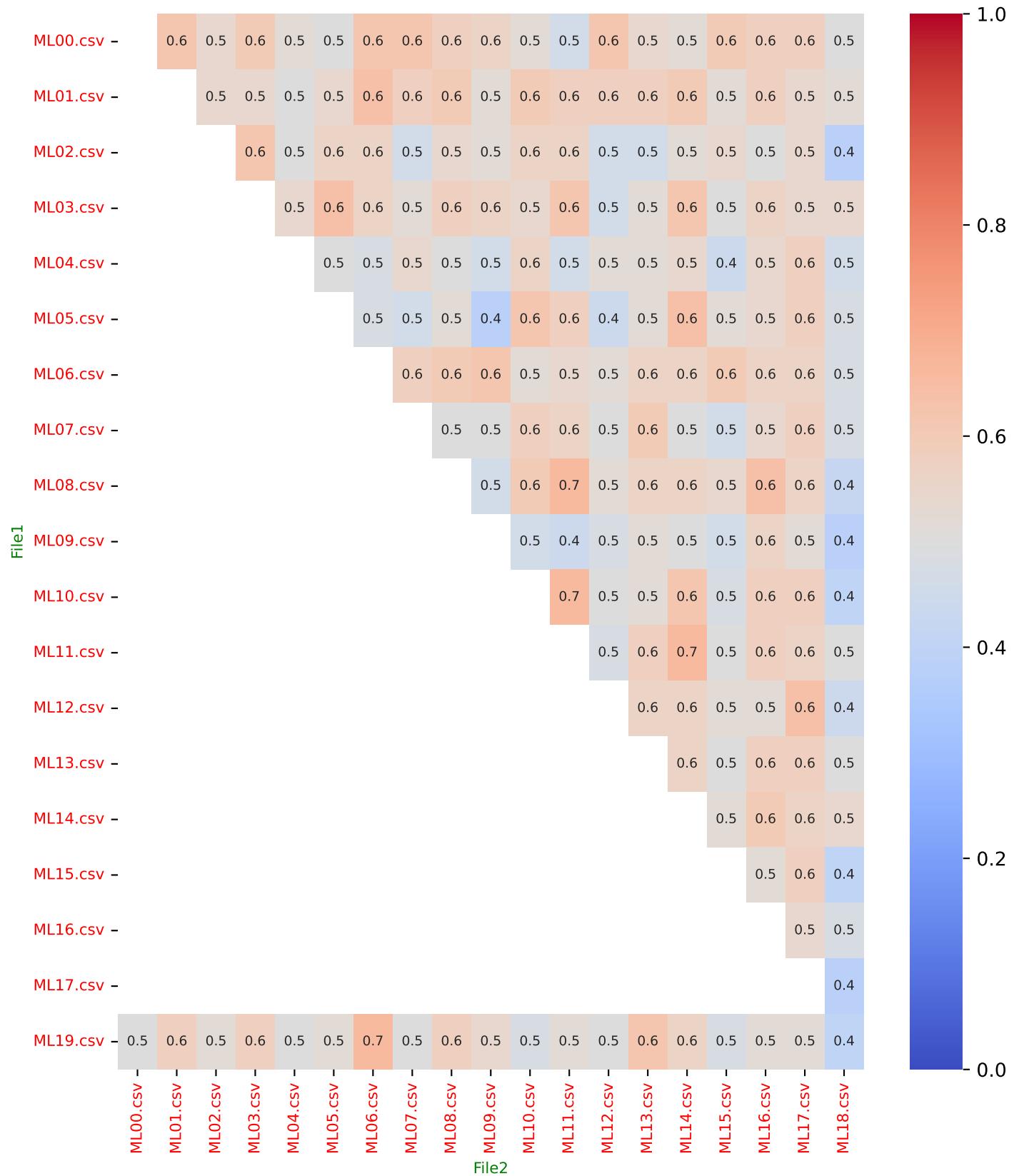
Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient



Implementation Number 118

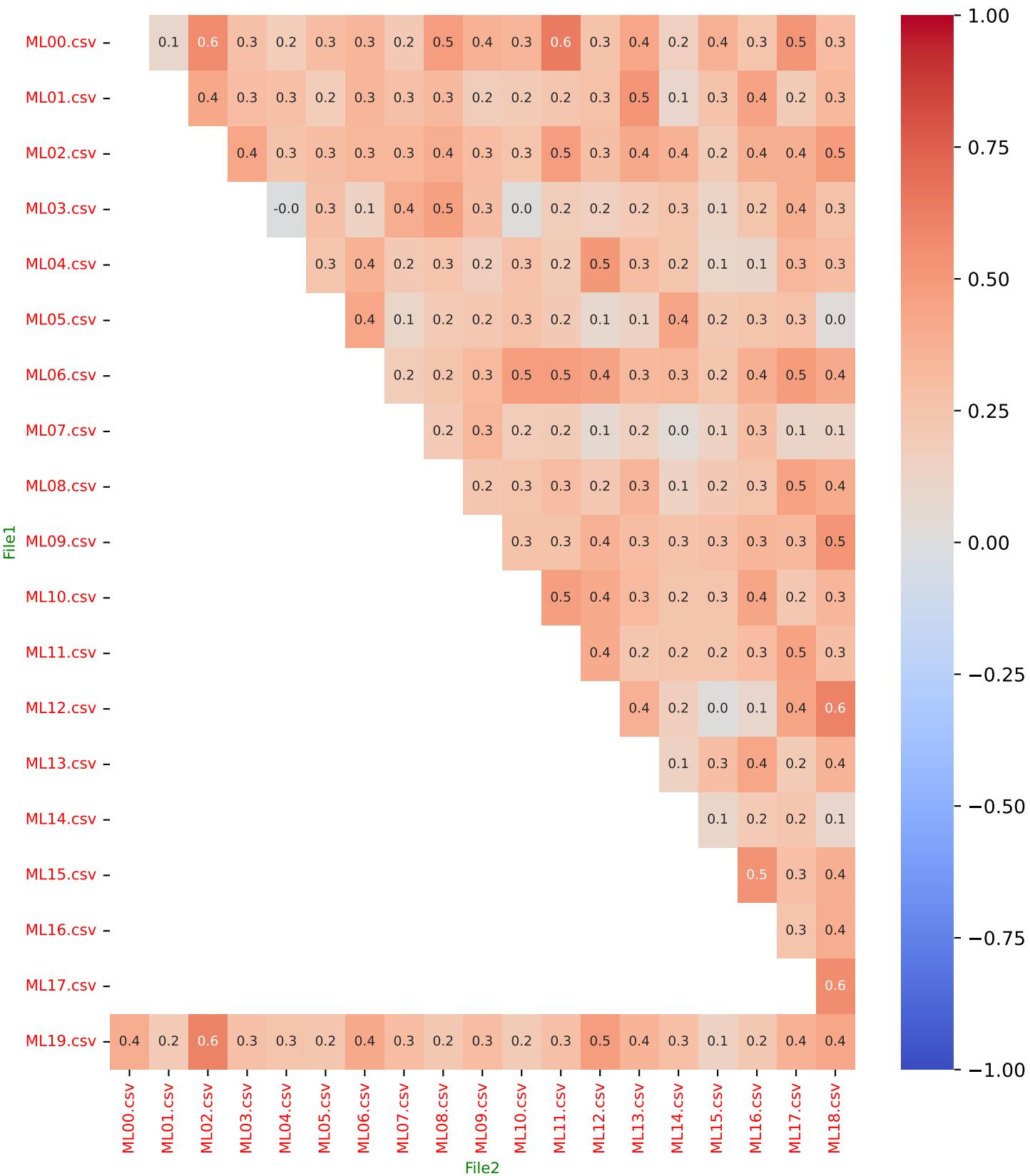
Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Betweennesscentrality

Heatmap of Kendall Tau Correlation



Implementation 119

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 100
Number of Files: 20**

Implementation Number 119

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 119

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 119

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
100.00 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
095.00 %	BAKON_604	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 17, 18, 19
045.00 %	BAKON_239	00, 02, 03, 04, 06, 07, 10, 14, 16
100.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
090.00 %	BAKON_450	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 16, 17, 18, 19
080.00 %	BAKON_571	00, 01, 03, 04, 06, 07, 08, 09, 11, 12, 13, 14, 15, 16, 17, 18
090.00 %	BAKON_098	00, 01, 02, 03, 04, 05, 07, 08, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19
095.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
050.00 %	BAKON_343	00, 01, 02, 04, 07, 09, 10, 14, 17, 19
095.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
080.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
095.00 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19
055.00 %	BAKON_293	00, 02, 04, 05, 06, 09, 12, 13, 14, 15, 18

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Global node Presence Mean (Weighted): 66.30%

Implementation Number 119

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.4184	0.5900	0.1548	0.3578
ML19.csv	ML01.csv	0.5267	0.6900	0.9084	0.2920
ML19.csv	ML02.csv	0.4388	0.6100	0.2819	0.3088
ML19.csv	ML03.csv	0.4388	0.6100	0.3682	0.3366
ML19.csv	ML04.csv	0.4184	0.5900	0.9684	0.3625
ML19.csv	ML05.csv	0.4706	0.6400	0.2112	0.3359
ML19.csv	ML06.csv	0.5038	0.6700	0.9684	0.5012
ML19.csv	ML07.csv	0.4184	0.5900	0.8154	0.2736
ML19.csv	ML08.csv	0.4706	0.6400	0.3682	0.3226
ML19.csv	ML09.csv	0.5152	0.6800	0.5830	0.3886
ML19.csv	ML10.csv	0.4184	0.5900	0.2819	0.3910
ML19.csv	ML11.csv	0.4599	0.6300	0.4695	0.4384
ML19.csv	ML12.csv	0.4599	0.6300	0.8154	0.3108
ML19.csv	ML13.csv	0.5504	0.7100	0.7021	0.3046
ML19.csv	ML14.csv	0.5385	0.7000	0.2112	0.3562
ML19.csv	ML15.csv	0.4388	0.6100	0.4695	0.1902
ML19.csv	ML16.csv	0.4815	0.6500	0.4695	0.2635
ML19.csv	ML17.csv	0.5038	0.6700	0.7021	0.3360
ML19.csv	ML18.csv	0.3986	0.5700	0.1112	0.1654
ML00.csv	ML01.csv	0.5385	0.7000	0.1548	0.3090
ML00.csv	ML02.csv	0.4706	0.6400	0.5830	0.2877
ML00.csv	ML03.csv	0.4493	0.6200	0.5830	0.2782
ML00.csv	ML04.csv	0.4184	0.5900	0.5830	0.2888
ML00.csv	ML05.csv	0.3986	0.5700	0.2819	0.2470
ML00.csv	ML06.csv	0.5152	0.6800	0.2112	0.3649
ML00.csv	ML07.csv	0.4706	0.6400	0.0156	0.3200
ML00.csv	ML08.csv	0.4706	0.6400	0.7021	0.3746
ML00.csv	ML09.csv	0.4706	0.6400	0.0364	0.4268
ML00.csv	ML10.csv	0.3986	0.5700	0.7021	0.3441
ML00.csv	ML11.csv	0.4184	0.5900	0.2819	0.2589
ML00.csv	ML12.csv	0.4493	0.6200	0.0782	0.4687
ML00.csv	ML13.csv	0.4815	0.6500	0.9084	0.3265
ML00.csv	ML14.csv	0.4493	0.6200	0.5830	0.3110
ML00.csv	ML15.csv	0.4815	0.6500	0.1112	0.4000
ML00.csv	ML16.csv	0.4925	0.6600	0.0539	0.2900

Implementation Number 119

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.5748	0.7300	0.1112	0.3414
ML00.csv	ML18.csv	0.4599	0.6300	0.9084	0.2069
ML01.csv	ML02.csv	0.5038	0.6700	0.7021	0.3082
ML01.csv	ML03.csv	0.4599	0.6300	0.2112	0.2376
ML01.csv	ML04.csv	0.5038	0.6700	0.9084	0.2280
ML01.csv	ML05.csv	0.4815	0.6500	0.1548	0.3319
ML01.csv	ML06.csv	0.6129	0.7600	0.5830	0.3243
ML01.csv	ML07.csv	0.5385	0.7000	0.2819	0.2829
ML01.csv	ML08.csv	0.5504	0.7100	0.2819	0.3632
ML01.csv	ML09.csv	0.5504	0.7100	0.5830	0.2766
ML01.csv	ML10.csv	0.4184	0.5900	0.2819	0.2806
ML01.csv	ML11.csv	0.4493	0.6200	0.4695	0.3407
ML01.csv	ML12.csv	0.5625	0.7200	0.7021	0.3815
ML01.csv	ML13.csv	0.6129	0.7600	0.4695	0.3443
ML01.csv	ML14.csv	0.5038	0.6700	0.1112	0.1647

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Global Metrics:

Mean Jaccard Coefficient (J): 0.4777

Fleiss' Kappa Agreement Index (κ_F): 0.4263

Mean KS Distance Between Pairs (D): 0.1176

Mean p-value for KS Test Pairs: 0.5297

Mean KS Distance for Multiple Samples (D_{mult}): 0.0854

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.4963

Mean Kendall Tau ($\bar{\tau}$): 0.3193

Median Kendall Tau ($\tilde{\tau}$): 0.3217

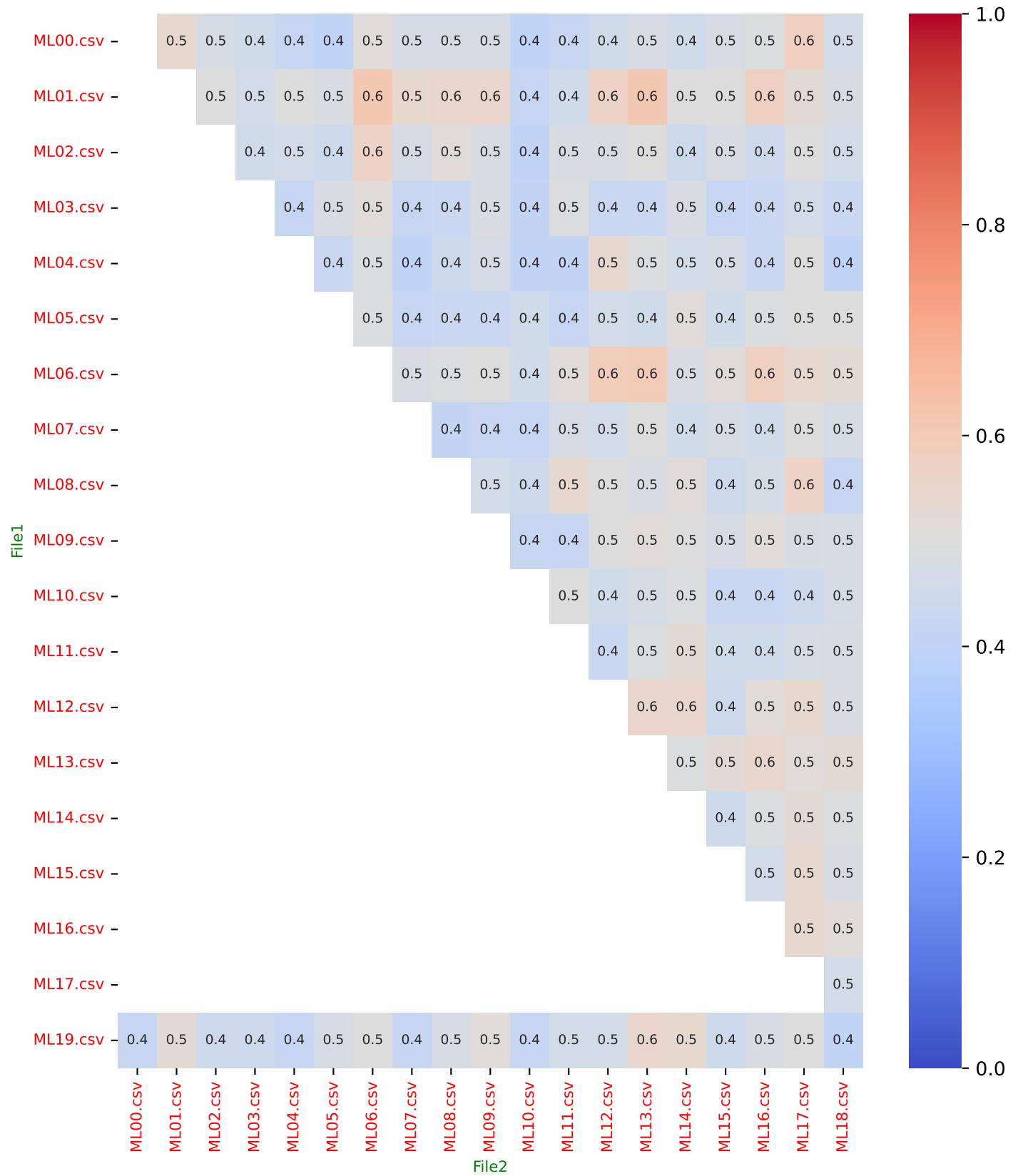
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 119

Parameters: Top_N = 100
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

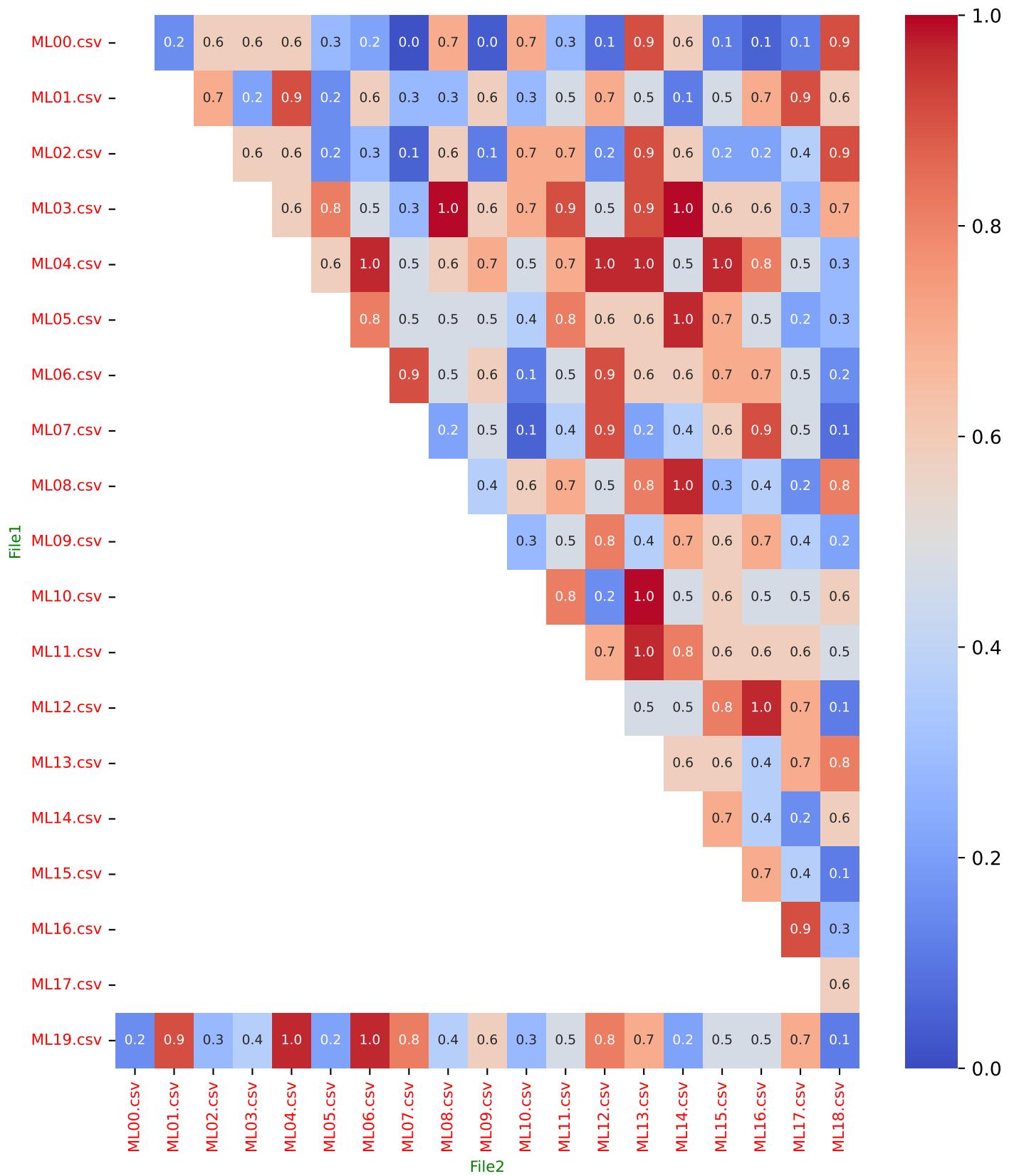


Implementation Number 119

Parameters: Top_N = 100
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

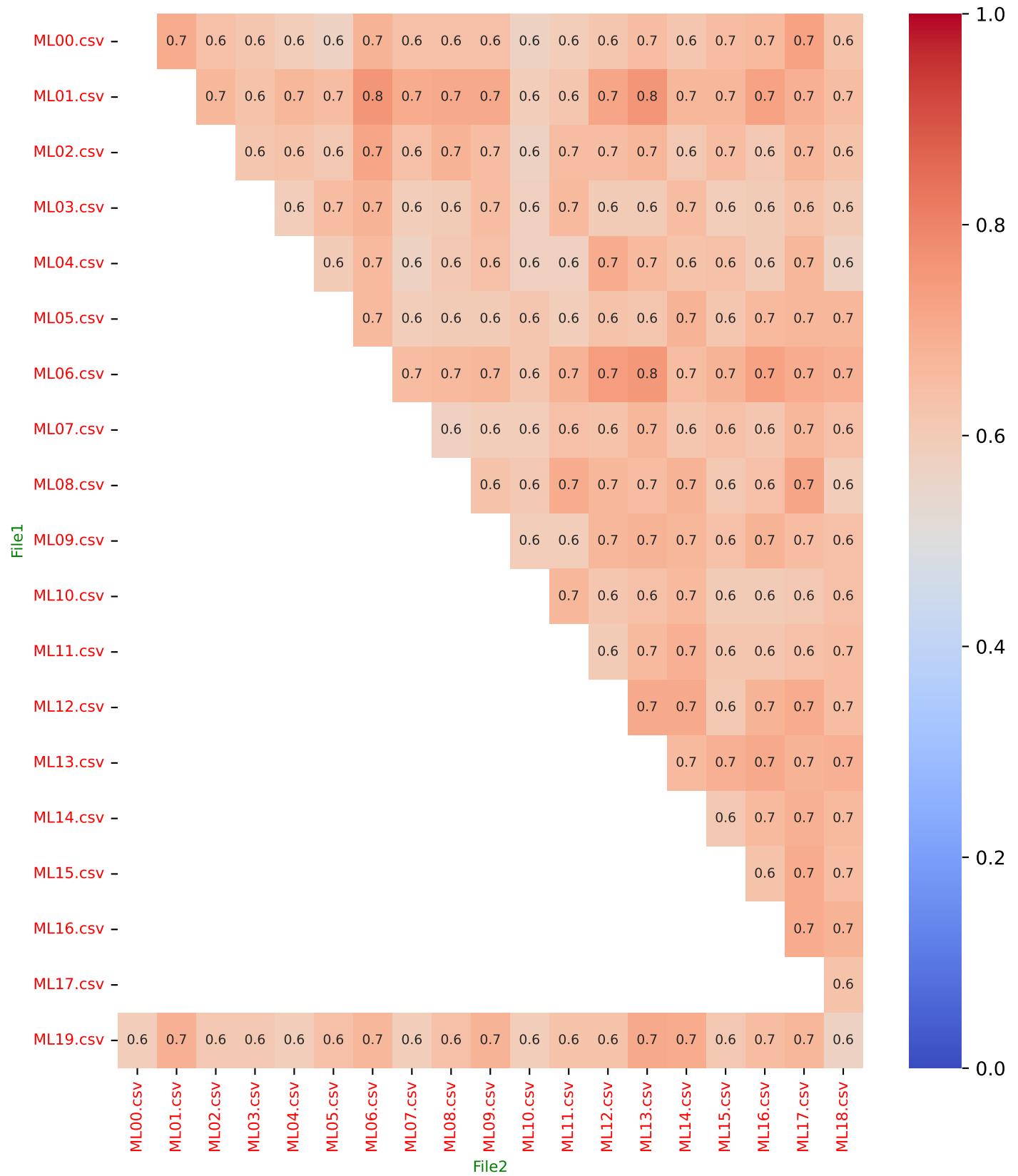


Implementation Number 119

Parameters: Top_N = 100
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

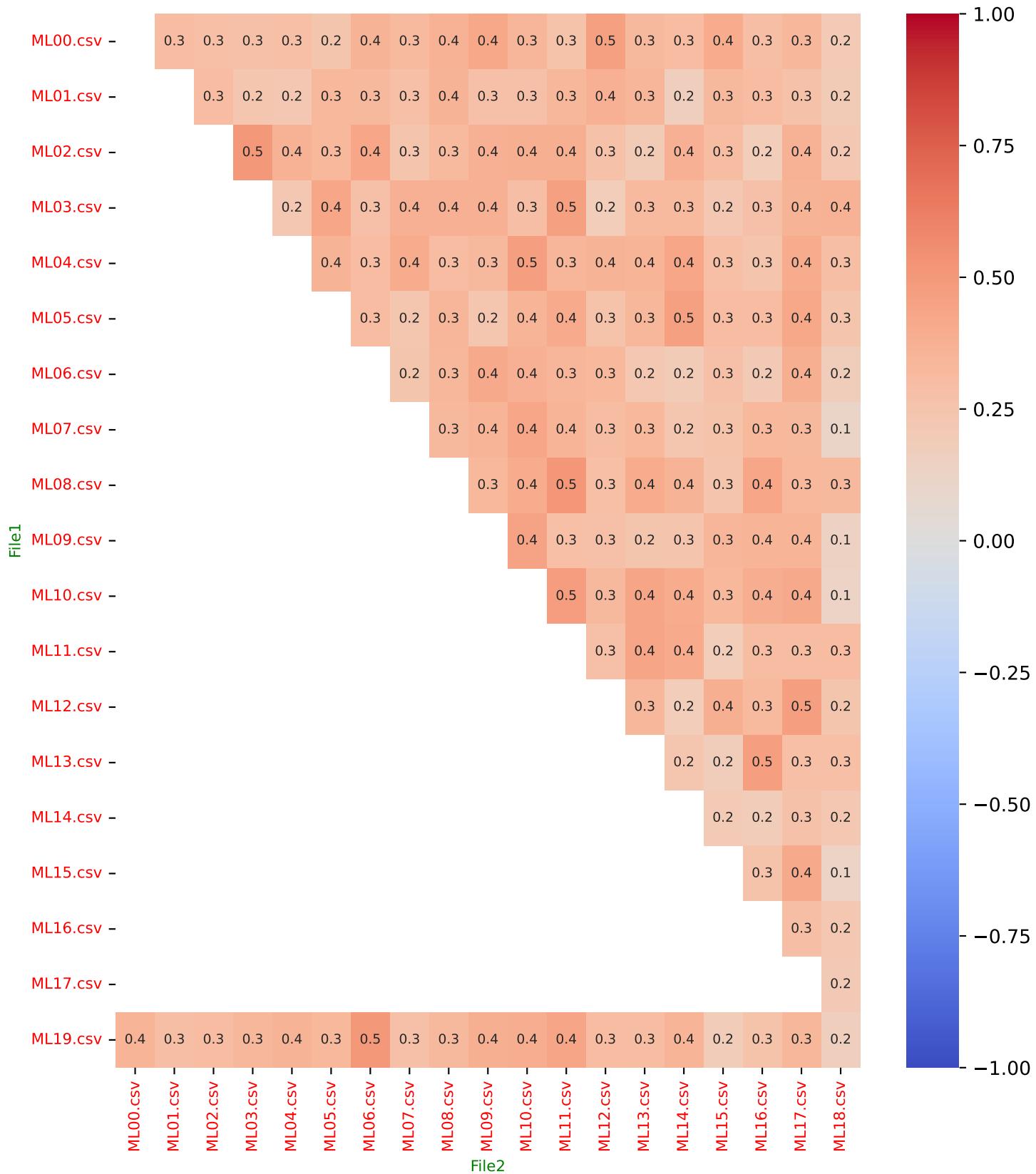


Implementation Number 119

Parameters: Top_N = 100
 Number of files = 20

Mode: Machine Learning
 Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 120

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 200
Number of Files: 20**

Implementation Number 120

Parameters: Top_N = 200

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 120

Parameters: Top_N = 200

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 120

Parameters: Top_N = 200

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
100.00 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_604	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
055.00 %	BAKON_239	00, 01, 02, 03, 04, 06, 07, 10, 14, 16, 18
100.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
090.00 %	BAKON_450	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 16, 17, 18, 19
100.00 %	BAKON_571	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_098	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
050.00 %	BAKON_343	00, 01, 02, 04, 07, 09, 10, 14, 17, 19
095.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
085.00 %	BAKON_301	00, 01, 02, 04, 05, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19

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Global node Presence Mean (Weighted): 74.79%

Implementation Number 120

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.5326	0.6950	0.5453	0.3664
ML19.csv	ML01.csv	0.5873	0.7400	0.6284	0.3863
ML19.csv	ML02.csv	0.5686	0.7250	0.3281	0.3429
ML19.csv	ML03.csv	0.5873	0.7400	0.7934	0.3943
ML19.csv	ML04.csv	0.5810	0.7350	0.5453	0.2899
ML19.csv	ML05.csv	0.5686	0.7250	0.0680	0.4394
ML19.csv	ML06.csv	0.6064	0.7550	0.2705	0.5025
ML19.csv	ML07.csv	0.5810	0.7350	0.9647	0.4224
ML19.csv	ML08.csv	0.5444	0.7050	0.2205	0.3936
ML19.csv	ML09.csv	0.6260	0.7700	0.7934	0.4101
ML19.csv	ML10.csv	0.5625	0.7200	0.7126	0.3352
ML19.csv	ML11.csv	0.5748	0.7300	0.6284	0.4139
ML19.csv	ML12.csv	0.5748	0.7300	0.0396	0.3882
ML19.csv	ML13.csv	0.6529	0.7900	0.0680	0.5118
ML19.csv	ML14.csv	0.6129	0.7600	0.2705	0.4418
ML19.csv	ML15.csv	0.6000	0.7500	0.4663	0.3453
ML19.csv	ML16.csv	0.6129	0.7600	0.7934	0.3998
ML19.csv	ML17.csv	0.5873	0.7400	0.0221	0.4305
ML19.csv	ML18.csv	0.5625	0.7200	0.0297	0.3066
ML00.csv	ML01.csv	0.6064	0.7550	0.1123	0.4338
ML00.csv	ML02.csv	0.5209	0.6850	0.7934	0.3640
ML00.csv	ML03.csv	0.6129	0.7600	0.9238	0.4193
ML00.csv	ML04.csv	0.5564	0.7150	0.9238	0.3800
ML00.csv	ML05.csv	0.5152	0.6800	0.5453	0.3228
ML00.csv	ML06.csv	0.5748	0.7300	0.6284	0.4819
ML00.csv	ML07.csv	0.5936	0.7450	0.1779	0.3655
ML00.csv	ML08.csv	0.5748	0.7300	0.7126	0.4258
ML00.csv	ML09.csv	0.5444	0.7050	0.1123	0.3919
ML00.csv	ML10.csv	0.5564	0.7150	0.7934	0.3307
ML00.csv	ML11.csv	0.5504	0.7100	0.7126	0.3387
ML00.csv	ML12.csv	0.5625	0.7200	0.1123	0.4460
ML00.csv	ML13.csv	0.5936	0.7450	0.2705	0.4137
ML00.csv	ML14.csv	0.5326	0.6950	0.7126	0.3575
ML00.csv	ML15.csv	0.5625	0.7200	0.4663	0.4673
ML00.csv	ML16.csv	0.5810	0.7350	0.3281	0.3970

Implementation Number 120

Parameters: Top_N = 200

Number of files = 20

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.5810	0.7350	0.0680	0.5664
ML00.csv	ML18.csv	0.5936	0.7450	0.1421	0.3566
ML01.csv	ML02.csv	0.5625	0.7200	0.0680	0.3658
ML01.csv	ML03.csv	0.6260	0.7700	0.0680	0.3813
ML01.csv	ML04.csv	0.5810	0.7350	0.0680	0.4194
ML01.csv	ML05.csv	0.6260	0.7700	0.0021	0.4295
ML01.csv	ML06.csv	0.6393	0.7800	0.0297	0.5458
ML01.csv	ML07.csv	0.6327	0.7750	0.2205	0.4024
ML01.csv	ML08.csv	0.5564	0.7150	0.0163	0.4326
ML01.csv	ML09.csv	0.6327	0.7750	0.7934	0.3800
ML01.csv	ML10.csv	0.5873	0.7400	0.2205	0.3614
ML01.csv	ML11.csv	0.5625	0.7200	0.0878	0.3562
ML01.csv	ML12.csv	0.5748	0.7300	0.0043	0.4906
ML01.csv	ML13.csv	0.6194	0.7650	0.0014	0.4124
ML01.csv	ML14.csv	0.5385	0.7000	0.0118	0.3744

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Global Metrics:

Mean Jaccard Coefficient (J): 0.5811

Fleiss' Kappa Agreement Index (κ_F): 0.4665

Mean KS Distance Between Pairs (D): 0.0969

Mean p-value for KS Test Pairs: 0.4195

Mean KS Distance for Multiple Samples (D_{mult}): 0.0670

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.4541

Mean Kendall Tau ($\bar{\tau}$): 0.3979

Median Kendall Tau ($\tilde{\tau}$): 0.3968

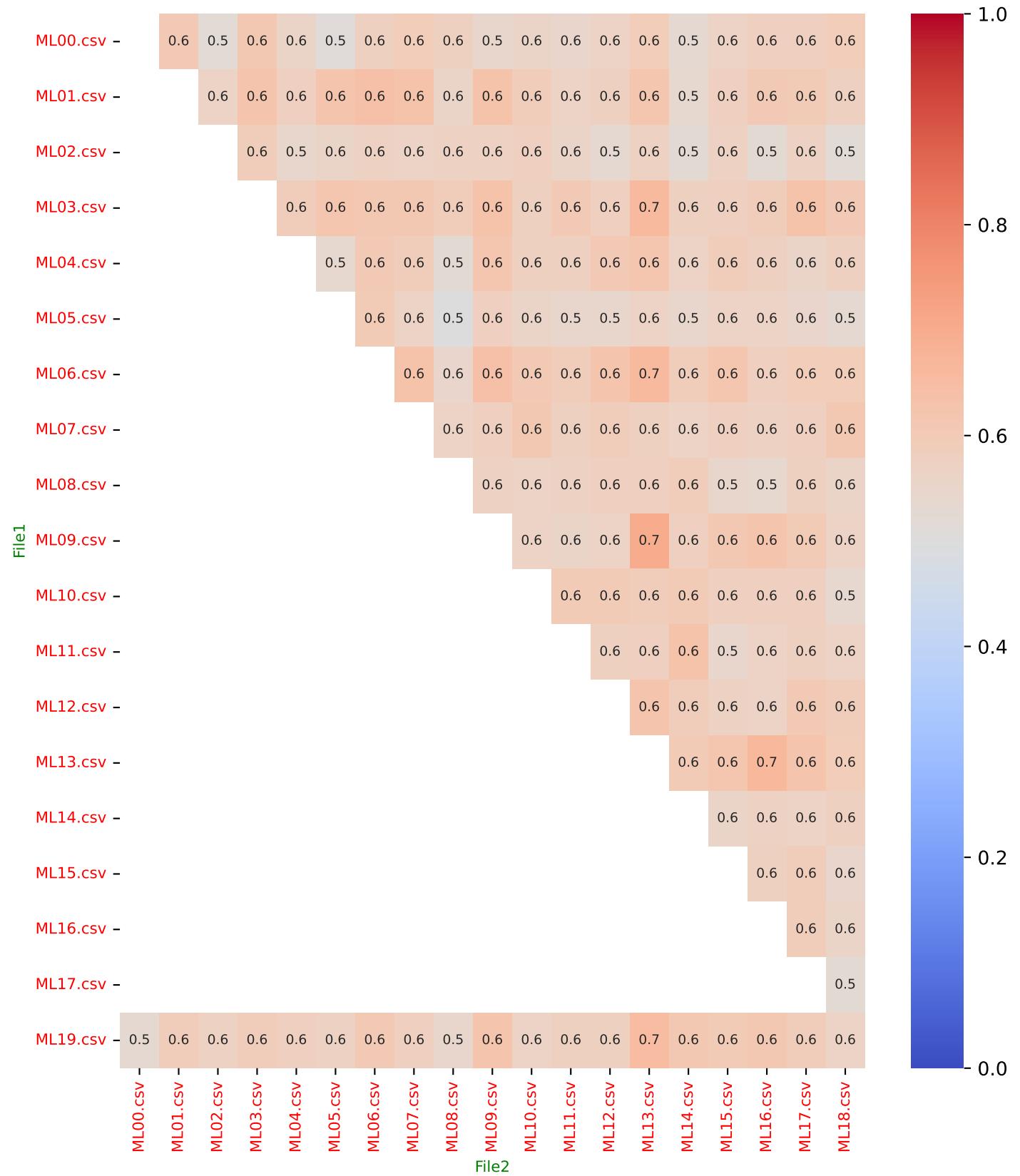
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 120

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

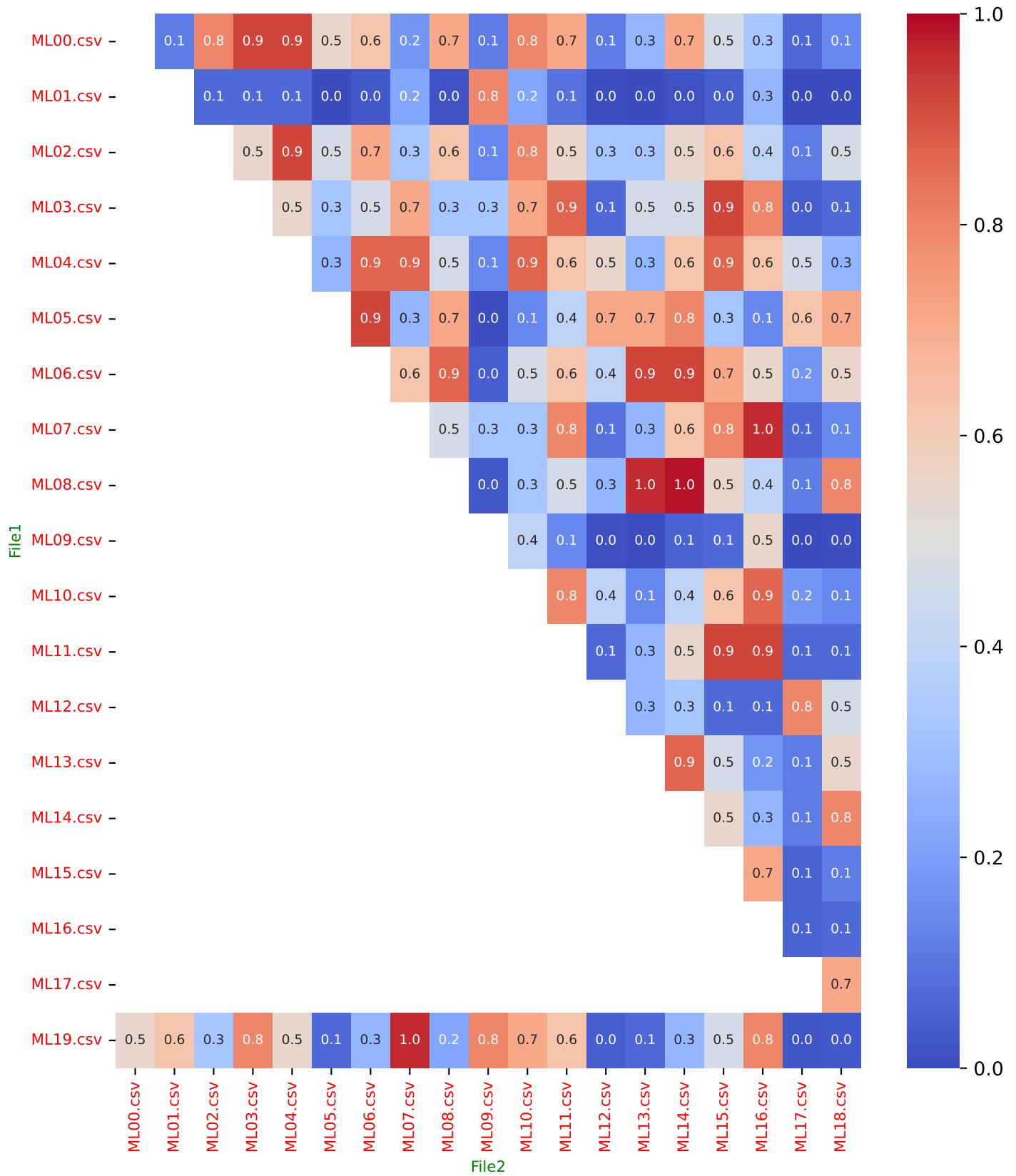


Implementation Number 120

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

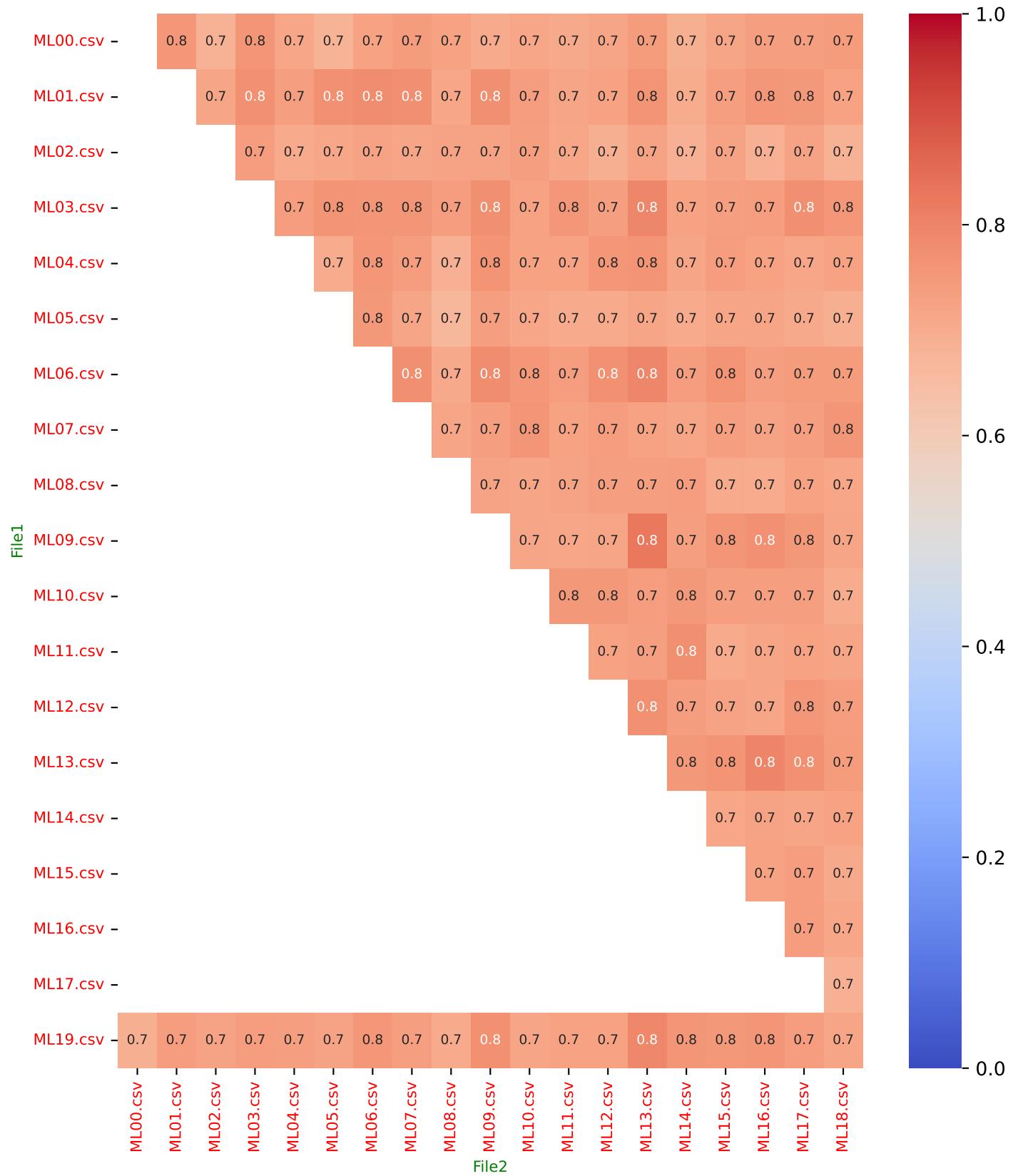


Implementation Number 120

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

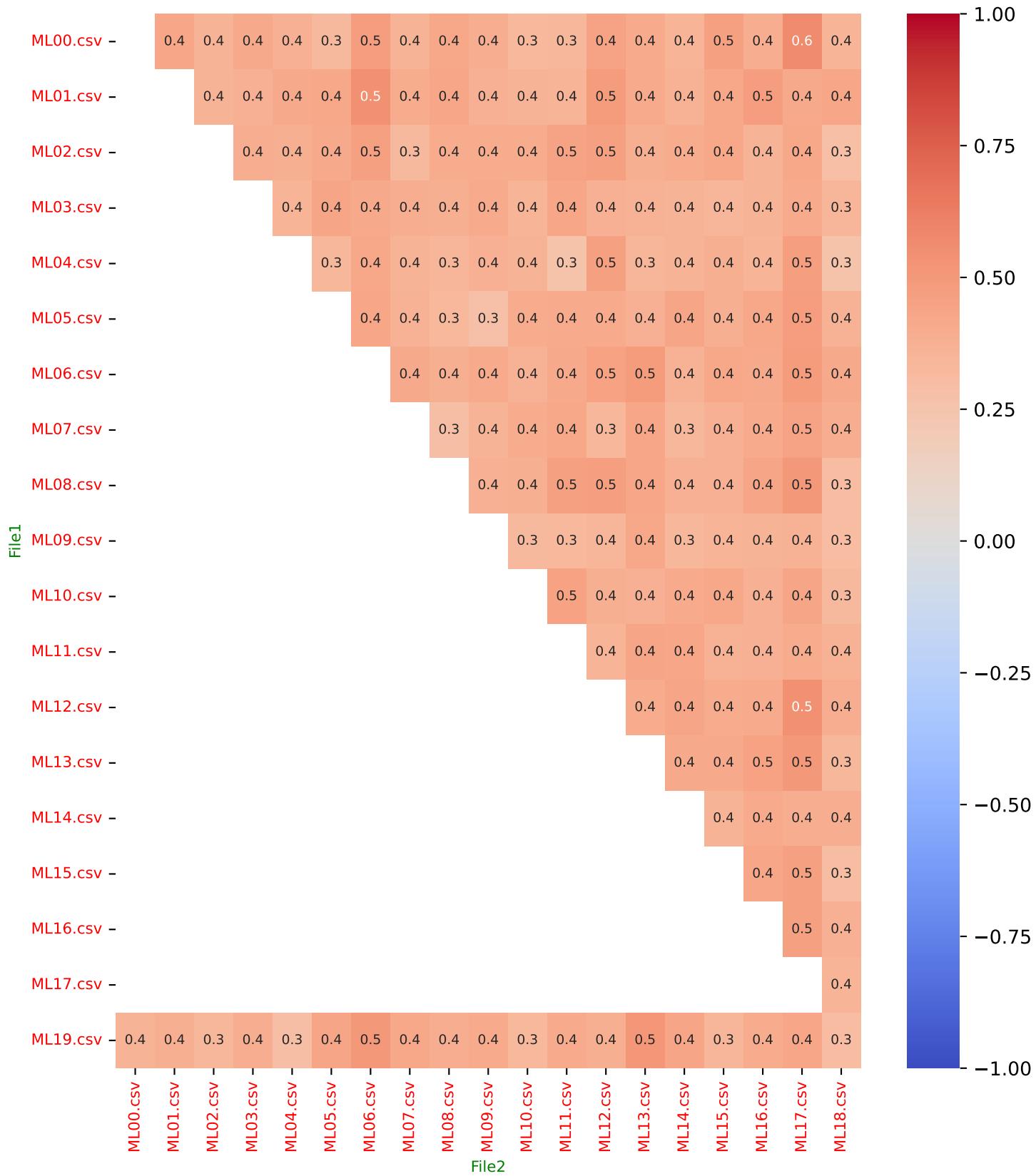


Implementation Number 120

Parameters: Top_N = 200
 Number of files = 20

Mode: Machine Learning
 Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 121

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 10
Number of Files: 20**

Implementation Number 121

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 121

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 121

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
010.00 %	BAKON_615	00, 13
040.00 %	BAKON_406	00, 01, 02, 03, 08, 11, 16, 17
010.00 %	BAKON_236	00, 19
010.00 %	BAKON_509	00, 19
010.00 %	BAKON_124	00, 04
010.00 %	BAKON_259	00, 18
015.00 %	BAKON_595	00, 03, 17
010.00 %	BAKON_440	00, 12
010.00 %	BAKON_180	00, 01
015.00 %	BAKON_186	00, 12, 17
030.00 %	BAKON_366	01, 02, 05, 06, 11, 17
010.00 %	BAKON_093	01, 19
015.00 %	BAKON_149	01, 14, 17
055.00 %	BAKON_363	01, 02, 03, 04, 05, 06, 08, 10, 11, 12, 15
010.00 %	BAKON_219	01, 07
015.00 %	BAKON_477	01, 11, 13
020.00 %	BAKON_555	01, 09, 14, 19
025.00 %	BAKON_164	01, 02, 06, 09, 11
010.00 %	BAKON_262	02, 15
020.00 %	BAKON_006	02, 06, 10, 15
010.00 %	BAKON_286	02, 15
015.00 %	BAKON_148	02, 05, 18
010.00 %	BAKON_283	02, 08
015.00 %	BAKON_293	02, 09, 12

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Global node Presence Mean (Weighted): 15.95%

Implementation Number 121

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.1111	0.2000	0.0524	1.0000
ML19.csv	ML01.csv	0.0526	0.1000	0.0524	nan
ML19.csv	ML02.csv	0.1111	0.2000	0.0021	-1.0000
ML19.csv	ML03.csv	0.0526	0.1000	0.1678	nan
ML19.csv	ML04.csv	0.0000	0.0000	0.1678	nan
ML19.csv	ML05.csv	0.0000	0.0000	0.1678	nan
ML19.csv	ML06.csv	0.0000	0.0000	0.0524	nan
ML19.csv	ML07.csv	0.0526	0.1000	0.7869	nan
ML19.csv	ML08.csv	0.0000	0.0000	0.0123	nan
ML19.csv	ML09.csv	0.0000	0.0000	0.9945	nan
ML19.csv	ML10.csv	0.0526	0.1000	0.7869	nan
ML19.csv	ML11.csv	0.1111	0.2000	0.7869	-1.0000
ML19.csv	ML12.csv	0.0526	0.1000	0.0123	nan
ML19.csv	ML13.csv	0.0000	0.0000	0.0000	nan
ML19.csv	ML14.csv	0.0000	0.0000	0.9945	nan
ML19.csv	ML15.csv	0.0526	0.1000	0.0524	nan
ML19.csv	ML16.csv	0.1765	0.3000	1.0000	-0.3333
ML19.csv	ML17.csv	0.0526	0.1000	0.0021	nan
ML19.csv	ML18.csv	0.1111	0.2000	0.0123	1.0000
ML00.csv	ML01.csv	0.2500	0.4000	0.0021	0.6667
ML00.csv	ML02.csv	0.1111	0.2000	0.0002	-1.0000
ML00.csv	ML03.csv	0.0526	0.1000	0.1678	nan
ML00.csv	ML04.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML05.csv	0.1765	0.3000	0.0123	0.3333
ML00.csv	ML06.csv	0.0526	0.1000	0.4175	nan
ML00.csv	ML07.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML08.csv	0.1111	0.2000	0.4175	1.0000
ML00.csv	ML09.csv	0.0526	0.1000	0.0524	nan
ML00.csv	ML10.csv	0.3333	0.5000	0.0021	0.2000
ML00.csv	ML11.csv	0.0526	0.1000	0.4175	nan
ML00.csv	ML12.csv	0.0526	0.1000	0.1678	nan
ML00.csv	ML13.csv	0.1111	0.2000	0.0000	-1.0000
ML00.csv	ML14.csv	0.0526	0.1000	0.1678	nan
ML00.csv	ML15.csv	0.0526	0.1000	0.0021	nan
ML00.csv	ML16.csv	0.1765	0.3000	0.1678	0.3333

Implementation Number 121

Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.0000	0.0000	0.4175	nan
ML00.csv	ML18.csv	0.1111	0.2000	0.7869	-1.0000
ML01.csv	ML02.csv	0.1111	0.2000	0.1678	1.0000
ML01.csv	ML03.csv	0.0526	0.1000	0.0021	nan
ML01.csv	ML04.csv	0.1765	0.3000	0.0021	0.3333
ML01.csv	ML05.csv	0.2500	0.4000	0.7869	0.0000
ML01.csv	ML06.csv	0.0000	0.0000	0.0000	nan
ML01.csv	ML07.csv	0.1765	0.3000	0.0123	-1.0000
ML01.csv	ML08.csv	0.1111	0.2000	0.0002	1.0000
ML01.csv	ML09.csv	0.1111	0.2000	0.1678	1.0000
ML01.csv	ML10.csv	0.2500	0.4000	0.1678	0.0000
ML01.csv	ML11.csv	0.1111	0.2000	0.0524	1.0000
ML01.csv	ML12.csv	0.0000	0.0000	0.0021	nan
ML01.csv	ML13.csv	0.0000	0.0000	0.0000	nan
ML01.csv	ML14.csv	0.2500	0.4000	0.1678	-0.3333

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Global Metrics:

Mean Jaccard Coefficient (J): 0.0649

Fleiss' Kappa Agreement Index (κF): 0.0191

Mean KS Distance Between Pairs (D): 0.6205

Mean p-value for KS Test Pairs: 0.2106

Mean KS Distance for Multiple Samples (D_{mult}): 0.4348

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1891

Mean Kendall Tau ($\bar{\tau}$): 0.2732

Median Kendall Tau ($\tilde{\tau}$): 0.6667

Percentage of Pairs with $\tau > 0$: 20.53%

Implementation Number 121

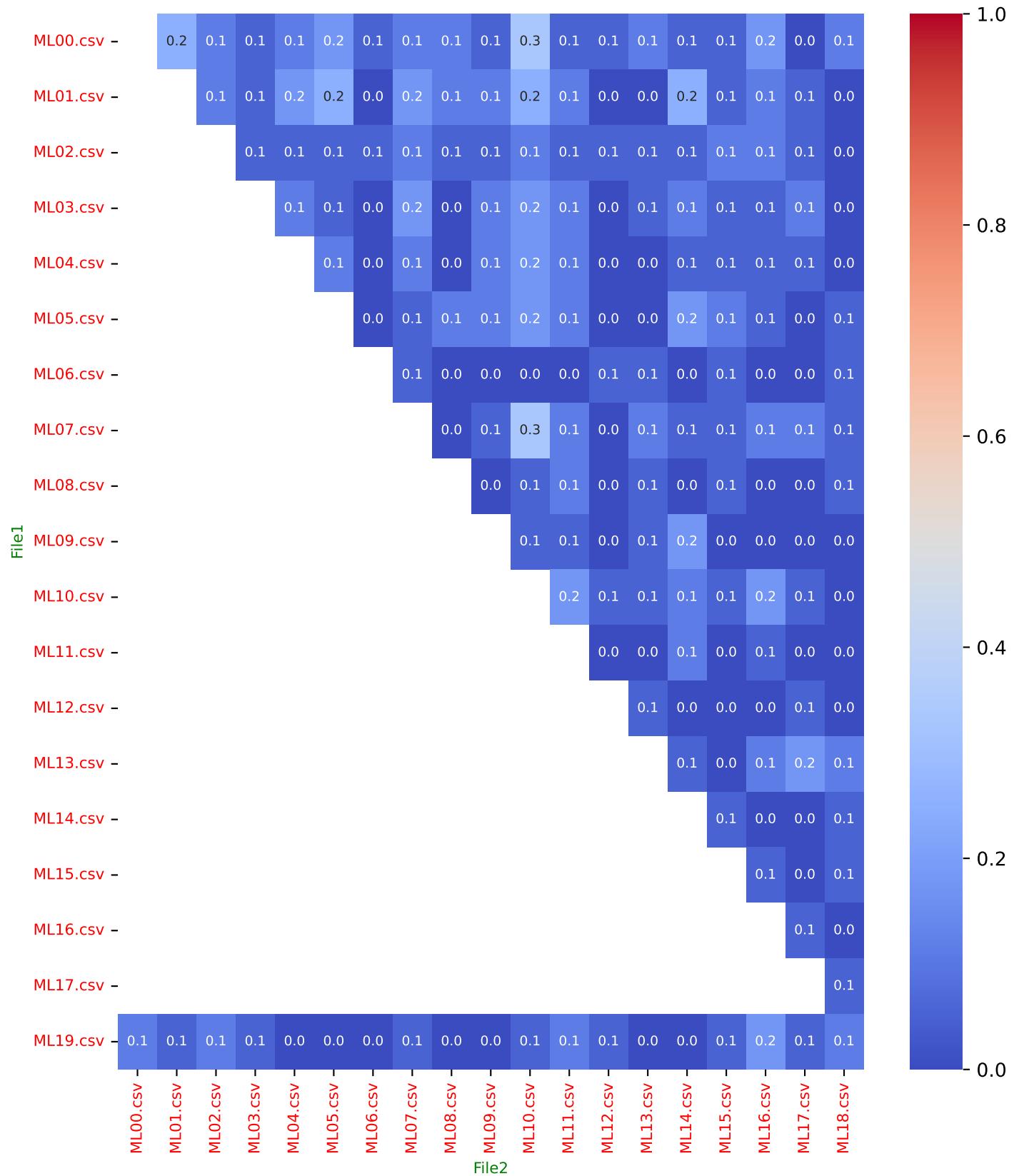
Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient



Implementation Number 121

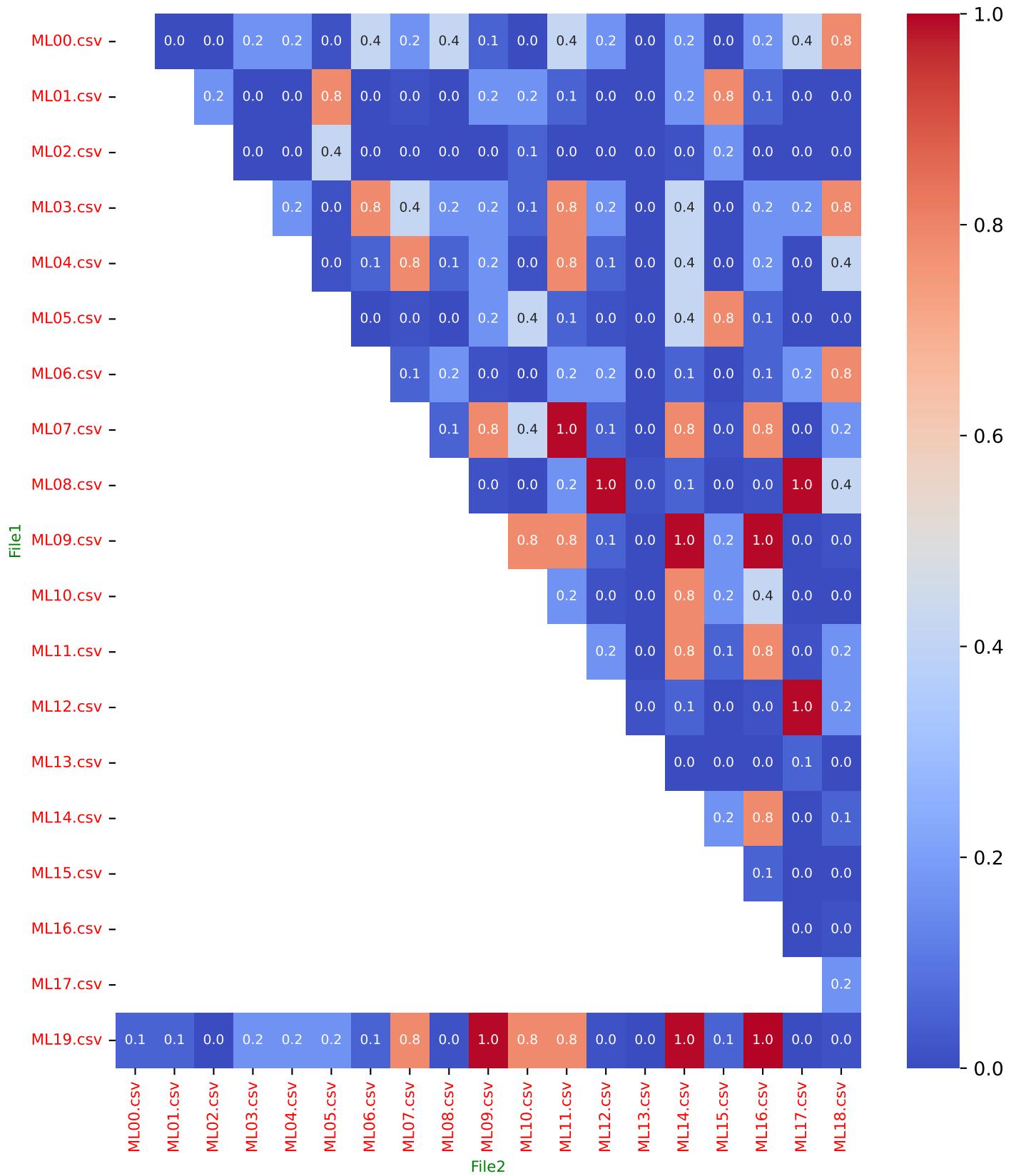
Parameters: Top_N = 10

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

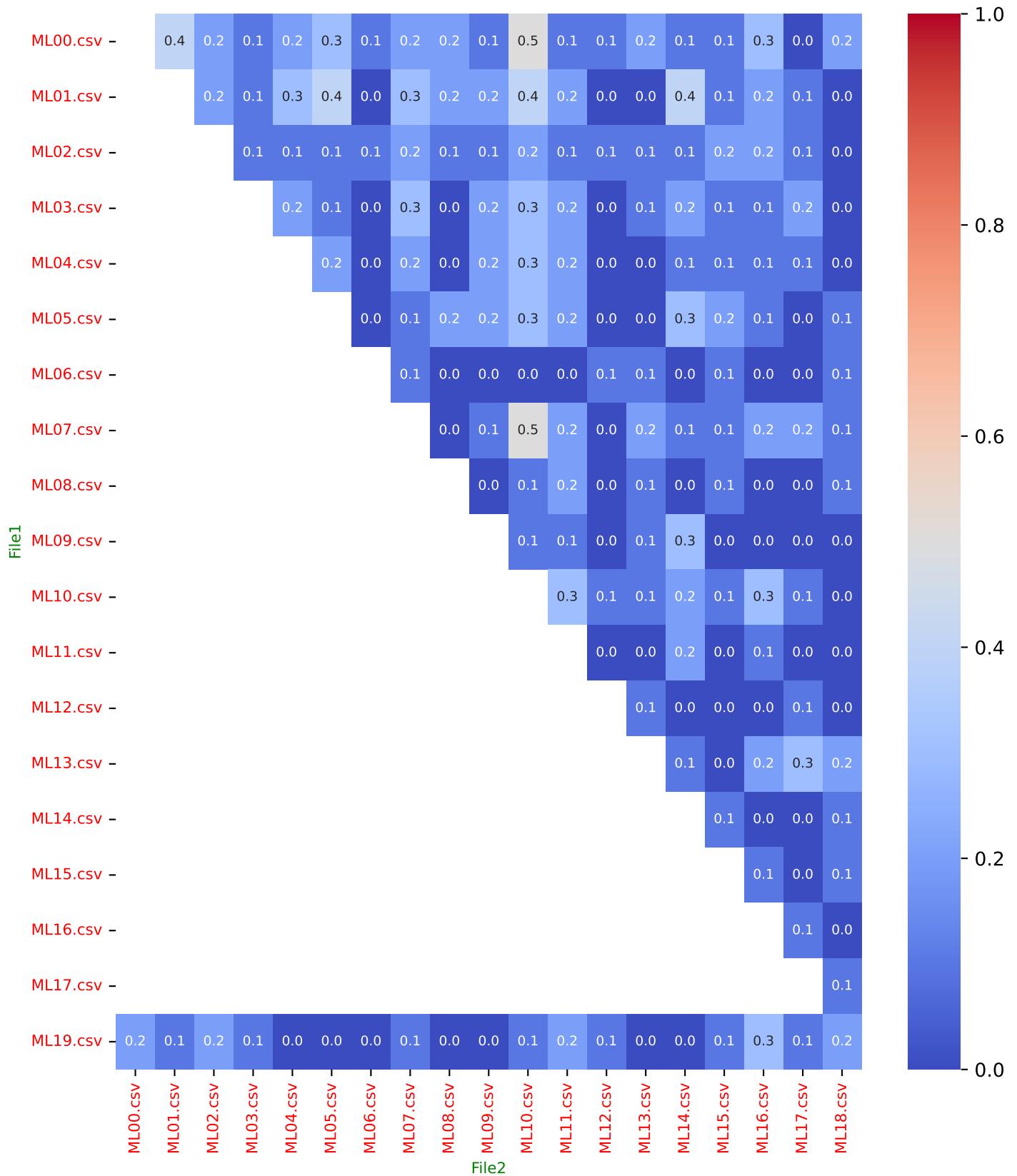


Implementation Number 121

Parameters: Top_N = 10
Number of files = 20

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

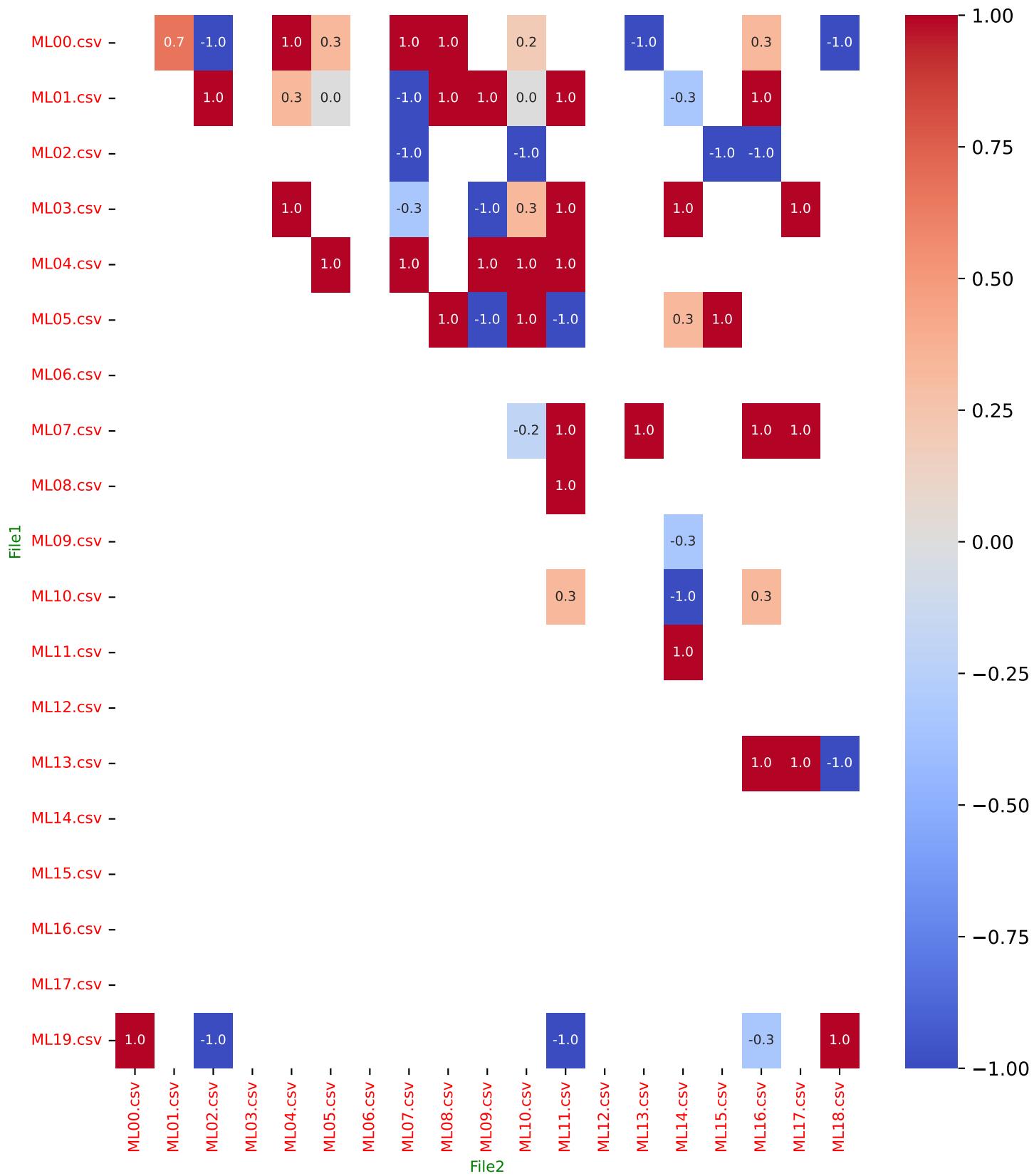


Implementation Number 121

Parameters: Top_N = 10
Number of files = 20

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 122

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 20
Number of Files: 20**

Implementation Number 122

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 122

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 122

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
010.00 %	BAKON_615	00, 13
065.00 %	BAKON_406	00, 01, 02, 03, 06, 07, 08, 10, 11, 12, 16, 17, 18
015.00 %	BAKON_236	00, 08, 19
030.00 %	BAKON_509	00, 07, 08, 13, 18, 19
030.00 %	BAKON_124	00, 02, 04, 08, 16, 17
020.00 %	BAKON_259	00, 07, 09, 18
020.00 %	BAKON_595	00, 03, 06, 17
020.00 %	BAKON_440	00, 03, 12, 15
030.00 %	BAKON_180	00, 01, 03, 04, 05, 17
020.00 %	BAKON_186	00, 06, 12, 17
045.00 %	BAKON_366	00, 01, 02, 05, 06, 10, 11, 15, 17
045.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 10, 15, 19
020.00 %	BAKON_137	00, 04, 07, 13
020.00 %	BAKON_606	00, 09, 11, 18
040.00 %	BAKON_396	00, 04, 08, 11, 14, 16, 17, 18
035.00 %	BAKON_376	00, 02, 05, 07, 11, 16, 17
015.00 %	BAKON_143	00, 17, 18
015.00 %	BAKON_210	00, 07, 14
030.00 %	BAKON_026	00, 02, 06, 07, 10, 14
010.00 %	BAKON_100	00, 16
010.00 %	BAKON_093	01, 19
035.00 %	BAKON_149	01, 04, 07, 10, 12, 14, 17
080.00 %	BAKON_363	01, 02, 03, 04, 05, 06, 08, 10, 11, 12, 13, 14, 15, 17, 18, 19

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Global node Presence Mean (Weighted): 23.75%

Implementation Number 122

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.0811	0.1500	0.0335	-0.3333
ML19.csv	ML01.csv	0.1765	0.3000	0.3356	0.2000
ML19.csv	ML02.csv	0.1429	0.2500	0.0335	0.2000
ML19.csv	ML03.csv	0.1111	0.2000	0.3356	-0.3333
ML19.csv	ML04.csv	0.1111	0.2000	0.5713	0.0000
ML19.csv	ML05.csv	0.1765	0.3000	0.5713	-0.3333
ML19.csv	ML06.csv	0.2121	0.3500	0.0811	-0.4286
ML19.csv	ML07.csv	0.1765	0.3000	0.8320	-0.0667
ML19.csv	ML08.csv	0.0526	0.1000	0.0123	1.0000
ML19.csv	ML09.csv	0.1111	0.2000	0.9831	0.0000
ML19.csv	ML10.csv	0.1429	0.2500	0.1745	0.6000
ML19.csv	ML11.csv	0.0811	0.1500	0.5713	-1.0000
ML19.csv	ML12.csv	0.0811	0.1500	0.0040	0.3333
ML19.csv	ML13.csv	0.0811	0.1500	0.0000	0.3333
ML19.csv	ML14.csv	0.0811	0.1500	0.8320	-0.3333
ML19.csv	ML15.csv	0.1429	0.2500	0.1745	-0.2000
ML19.csv	ML16.csv	0.2903	0.4500	0.5713	-0.0556
ML19.csv	ML17.csv	0.1765	0.3000	0.0123	-0.4667
ML19.csv	ML18.csv	0.0811	0.1500	0.1745	1.0000
ML00.csv	ML01.csv	0.1111	0.2000	0.0003	0.6667
ML00.csv	ML02.csv	0.1111	0.2000	0.0000	0.3333
ML00.csv	ML03.csv	0.1765	0.3000	0.0335	0.0667
ML00.csv	ML04.csv	0.2121	0.3500	0.3356	0.2381
ML00.csv	ML05.csv	0.1429	0.2500	0.0123	0.6000
ML00.csv	ML06.csv	0.1111	0.2000	0.8320	-0.3333
ML00.csv	ML07.csv	0.1111	0.2000	0.0040	0.3333
ML00.csv	ML08.csv	0.0811	0.1500	0.0123	1.0000
ML00.csv	ML09.csv	0.1429	0.2500	0.0123	0.0000
ML00.csv	ML10.csv	0.2500	0.4000	0.0000	0.3571
ML00.csv	ML11.csv	0.1111	0.2000	0.5713	-0.3333
ML00.csv	ML12.csv	0.0811	0.1500	0.0123	-0.3333
ML00.csv	ML13.csv	0.1111	0.2000	0.0000	-0.3333
ML00.csv	ML14.csv	0.0811	0.1500	0.1745	-0.3333
ML00.csv	ML15.csv	0.0811	0.1500	0.0000	1.0000
ML00.csv	ML16.csv	0.1765	0.3000	0.0003	0.0667

Implementation Number 122

Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.1111	0.2000	0.0040	0.0000
ML00.csv	ML18.csv	0.1765	0.3000	0.3356	-0.4667
ML01.csv	ML02.csv	0.1429	0.2500	0.3356	0.2000
ML01.csv	ML03.csv	0.1429	0.2500	0.0123	-0.2000
ML01.csv	ML04.csv	0.2121	0.3500	0.0335	0.1429
ML01.csv	ML05.csv	0.2121	0.3500	0.5713	0.1429
ML01.csv	ML06.csv	0.0811	0.1500	0.0011	-0.3333
ML01.csv	ML07.csv	0.1429	0.2500	0.1745	-0.4000
ML01.csv	ML08.csv	0.0811	0.1500	0.0001	1.0000
ML01.csv	ML09.csv	0.1429	0.2500	0.5713	0.0000
ML01.csv	ML10.csv	0.1765	0.3000	0.5713	0.4667
ML01.csv	ML11.csv	0.0811	0.1500	0.0335	-0.3333
ML01.csv	ML12.csv	0.0526	0.1000	0.0000	-1.0000
ML01.csv	ML13.csv	0.0811	0.1500	0.0000	-0.3333
ML01.csv	ML14.csv	0.1429	0.2500	0.0123	-0.6000

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1116

Fleiss' Kappa Agreement Index (κ_F): 0.0739

Mean KS Distance Between Pairs (D): 0.5003

Mean p-value for KS Test Pairs: 0.1552

Mean KS Distance for Multiple Samples (D_{mult}): 0.3407

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1596

Mean Kendall Tau ($\bar{\tau}$): 0.0657

Median Kendall Tau ($\tilde{\tau}$): 0.0000

Percentage of Pairs with $\tau > 0$: 44.21%

Implementation Number 122

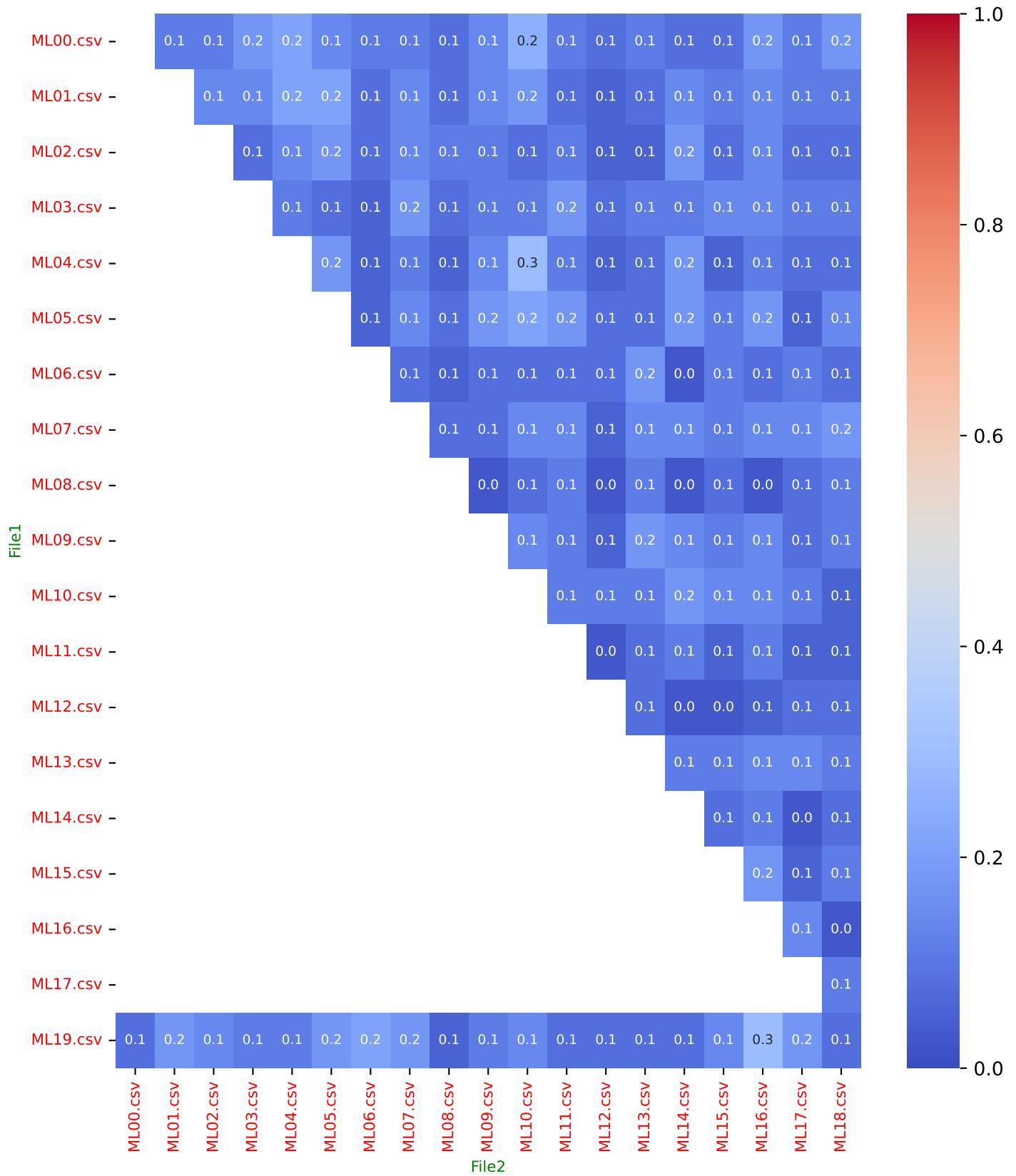
Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient



Implementation Number 122

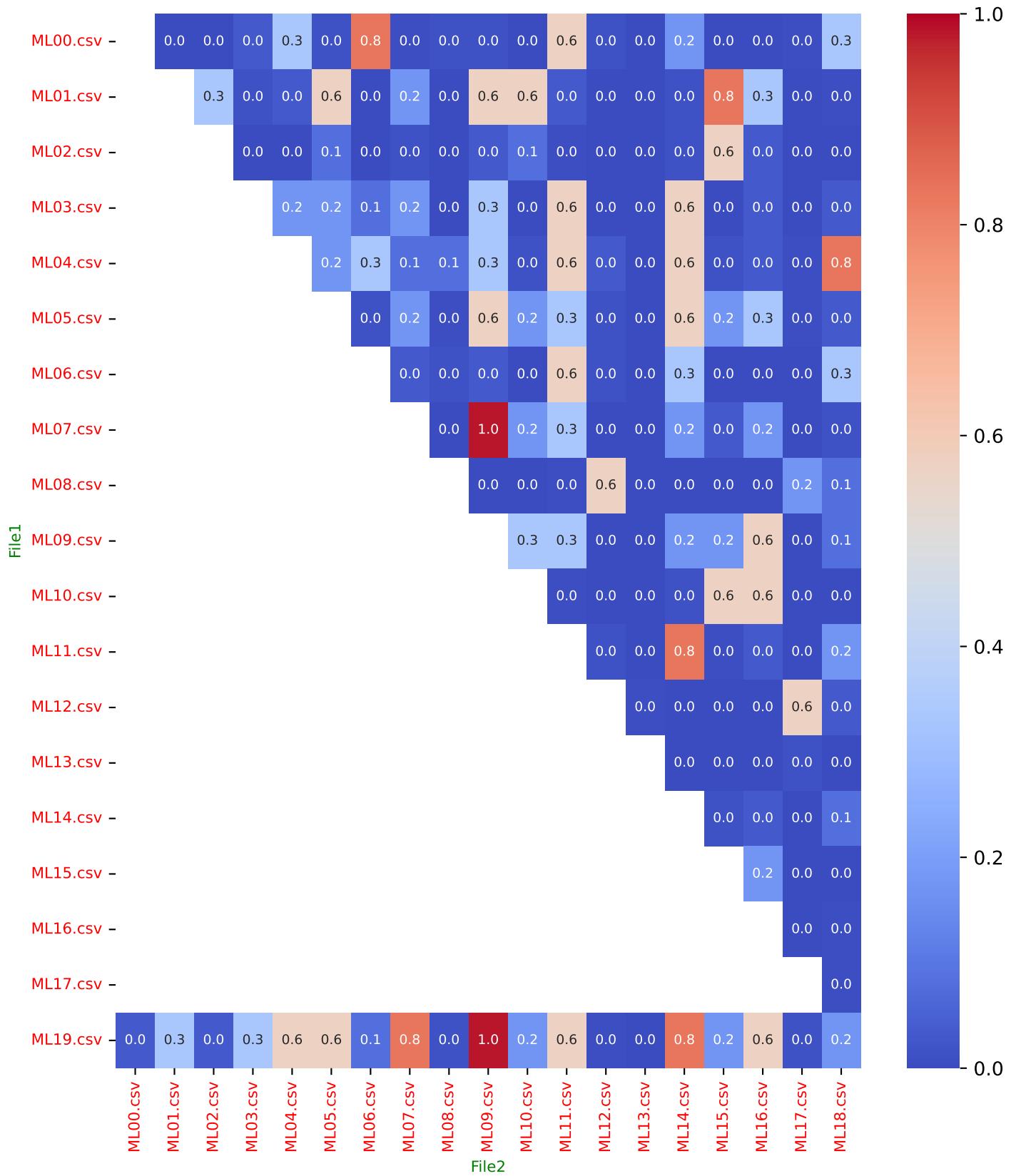
Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)



Implementation Number 122

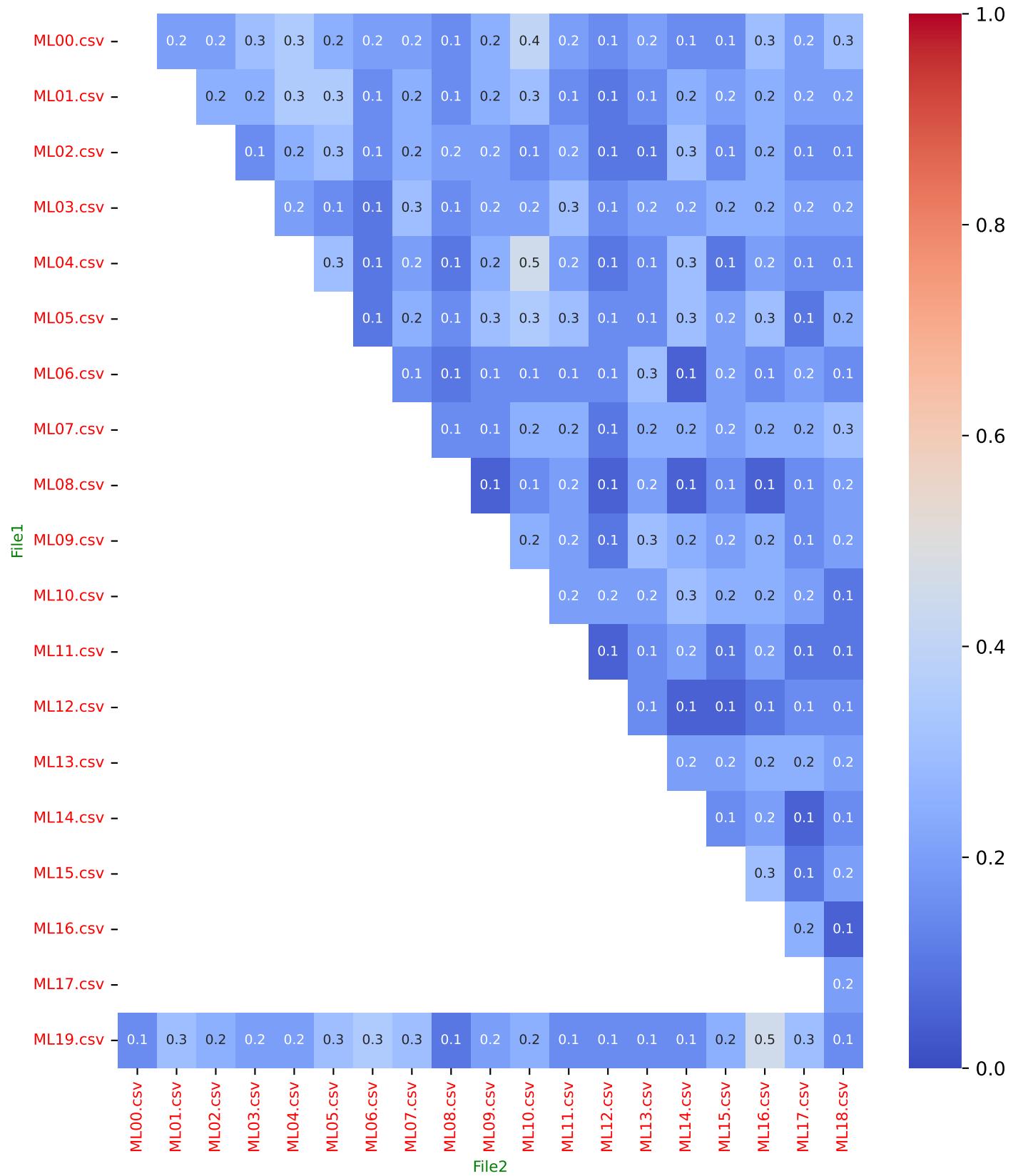
Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient



Implementation Number 122

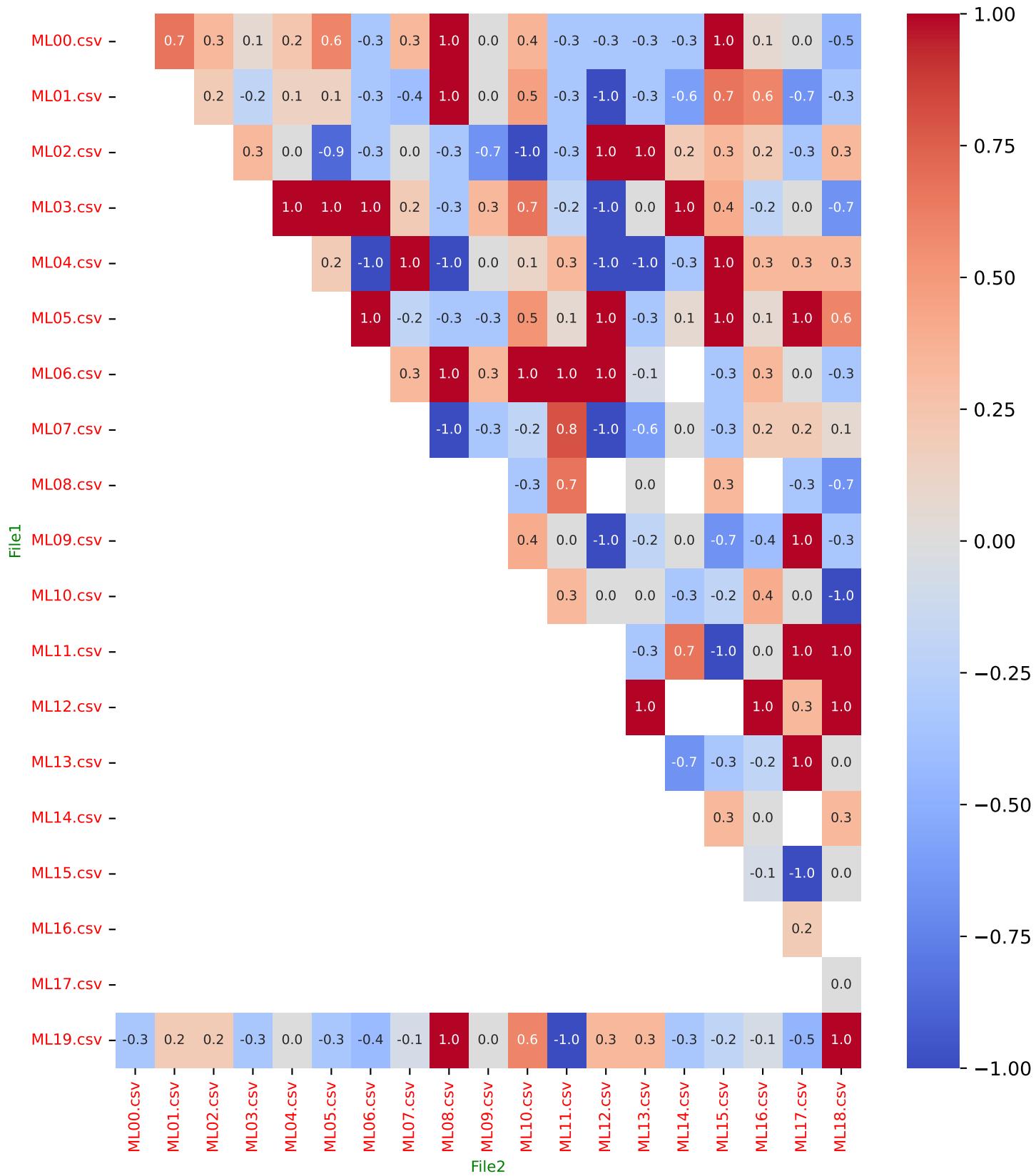
Parameters: Top_N = 20

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 123

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 30
Number of Files: 20**

Implementation Number 123

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 123

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 123

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
015.00 %	BAKON_615	00, 01, 13
075.00 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 10, 11, 12, 15, 16, 17, 18
015.00 %	BAKON_236	00, 08, 19
035.00 %	BAKON_509	00, 01, 07, 08, 13, 18, 19
030.00 %	BAKON_124	00, 02, 04, 08, 16, 17
020.00 %	BAKON_259	00, 07, 09, 18
020.00 %	BAKON_595	00, 03, 06, 17
040.00 %	BAKON_440	00, 01, 03, 04, 10, 11, 12, 15
030.00 %	BAKON_180	00, 01, 03, 04, 05, 17
030.00 %	BAKON_186	00, 06, 12, 14, 17, 19
045.00 %	BAKON_366	00, 01, 02, 05, 06, 10, 11, 15, 17
050.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 09, 10, 15, 19
025.00 %	BAKON_137	00, 04, 07, 13, 18
025.00 %	BAKON_606	00, 09, 11, 18, 19
050.00 %	BAKON_396	00, 02, 04, 08, 10, 11, 14, 16, 17, 18
045.00 %	BAKON_376	00, 01, 02, 05, 07, 11, 15, 16, 17
020.00 %	BAKON_143	00, 14, 17, 18
035.00 %	BAKON_210	00, 05, 07, 08, 09, 14, 16
045.00 %	BAKON_026	00, 02, 06, 07, 08, 10, 14, 15, 16
010.00 %	BAKON_100	00, 16
030.00 %	BAKON_354	00, 08, 09, 10, 14, 16
090.00 %	BAKON_363	00, 01, 02, 03, 04, 05, 06, 07, 08, 10, 11, 12, 13, 14, 15, 17, 18, 19

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Global node Presence Mean (Weighted): 27.83%

Implementation Number 123

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.1538	0.2667	0.1350	-0.2857
ML19.csv	ML01.csv	0.2000	0.3333	0.0156	0.2000
ML19.csv	ML02.csv	0.1321	0.2333	0.0025	0.3333
ML19.csv	ML03.csv	0.1321	0.2333	0.1350	-0.5238
ML19.csv	ML04.csv	0.1111	0.2000	0.8080	0.0667
ML19.csv	ML05.csv	0.1321	0.2333	0.8080	-0.4286
ML19.csv	ML06.csv	0.1538	0.2667	0.2391	-0.0714
ML19.csv	ML07.csv	0.2245	0.3667	0.0156	0.0545
ML19.csv	ML08.csv	0.1321	0.2333	0.0709	0.3333
ML19.csv	ML09.csv	0.1538	0.2667	0.2391	-0.1429
ML19.csv	ML10.csv	0.1321	0.2333	0.0025	-0.0476
ML19.csv	ML11.csv	0.0909	0.1667	0.0709	-0.8000
ML19.csv	ML12.csv	0.0714	0.1333	0.0346	0.6667
ML19.csv	ML13.csv	0.1321	0.2333	0.0000	0.0476
ML19.csv	ML14.csv	0.1538	0.2667	0.0156	-0.0714
ML19.csv	ML15.csv	0.1765	0.3000	0.0009	0.0000
ML19.csv	ML16.csv	0.2000	0.3333	0.1350	0.1111
ML19.csv	ML17.csv	0.1765	0.3000	0.0156	-0.0556
ML19.csv	ML18.csv	0.1111	0.2000	0.3929	0.4667
ML00.csv	ML01.csv	0.1321	0.2333	0.0025	0.4286
ML00.csv	ML02.csv	0.1111	0.2000	0.0000	0.6000
ML00.csv	ML03.csv	0.1765	0.3000	0.1350	0.2778
ML00.csv	ML04.csv	0.2245	0.3667	0.5941	0.4545
ML00.csv	ML05.csv	0.1321	0.2333	0.0709	0.7143
ML00.csv	ML06.csv	0.1538	0.2667	0.8080	-0.2143
ML00.csv	ML07.csv	0.1111	0.2000	0.0346	0.7333
ML00.csv	ML08.csv	0.0714	0.1333	0.0709	1.0000
ML00.csv	ML09.csv	0.1765	0.3000	0.0709	0.6667
ML00.csv	ML10.csv	0.3043	0.4667	0.0001	0.3846
ML00.csv	ML11.csv	0.1321	0.2333	0.2391	0.4286
ML00.csv	ML12.csv	0.1538	0.2667	0.0346	0.0714
ML00.csv	ML13.csv	0.1321	0.2333	0.0000	-0.0476
ML00.csv	ML14.csv	0.1765	0.3000	0.1350	0.0556
ML00.csv	ML15.csv	0.0909	0.1667	0.0000	0.0000
ML00.csv	ML16.csv	0.2245	0.3667	0.0065	0.3455

Implementation Number 123

Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.1538	0.2667	0.0009	-0.1429
ML00.csv	ML18.csv	0.1538	0.2667	0.5941	0.0000
ML01.csv	ML02.csv	0.1111	0.2000	0.2391	0.4667
ML01.csv	ML03.csv	0.1765	0.3000	0.0709	-0.3889
ML01.csv	ML04.csv	0.1765	0.3000	0.0156	0.3333
ML01.csv	ML05.csv	0.1765	0.3000	0.0709	0.2222
ML01.csv	ML06.csv	0.1111	0.2000	0.0156	-0.0667
ML01.csv	ML07.csv	0.2000	0.3333	0.3929	0.0222
ML01.csv	ML08.csv	0.1111	0.2000	0.0003	-0.2000
ML01.csv	ML09.csv	0.1538	0.2667	0.8080	0.2143
ML01.csv	ML10.csv	0.1538	0.2667	0.3929	0.5000
ML01.csv	ML11.csv	0.0909	0.1667	0.0709	0.6000
ML01.csv	ML12.csv	0.0909	0.1667	0.0000	0.2000
ML01.csv	ML13.csv	0.1321	0.2333	0.0000	0.0476
ML01.csv	ML14.csv	0.2245	0.3667	0.0709	0.3818

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1384

Fleiss' Kappa Agreement Index (κF): 0.0933

Mean KS Distance Between Pairs (D): 0.4430

Mean p-value for KS Test Pairs: 0.1340

Mean KS Distance for Multiple Samples (D_{mult}): 0.3048

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1069

Mean Kendall Tau ($\bar{\tau}$): 0.1416

Median Kendall Tau ($\tilde{\tau}$): 0.1429

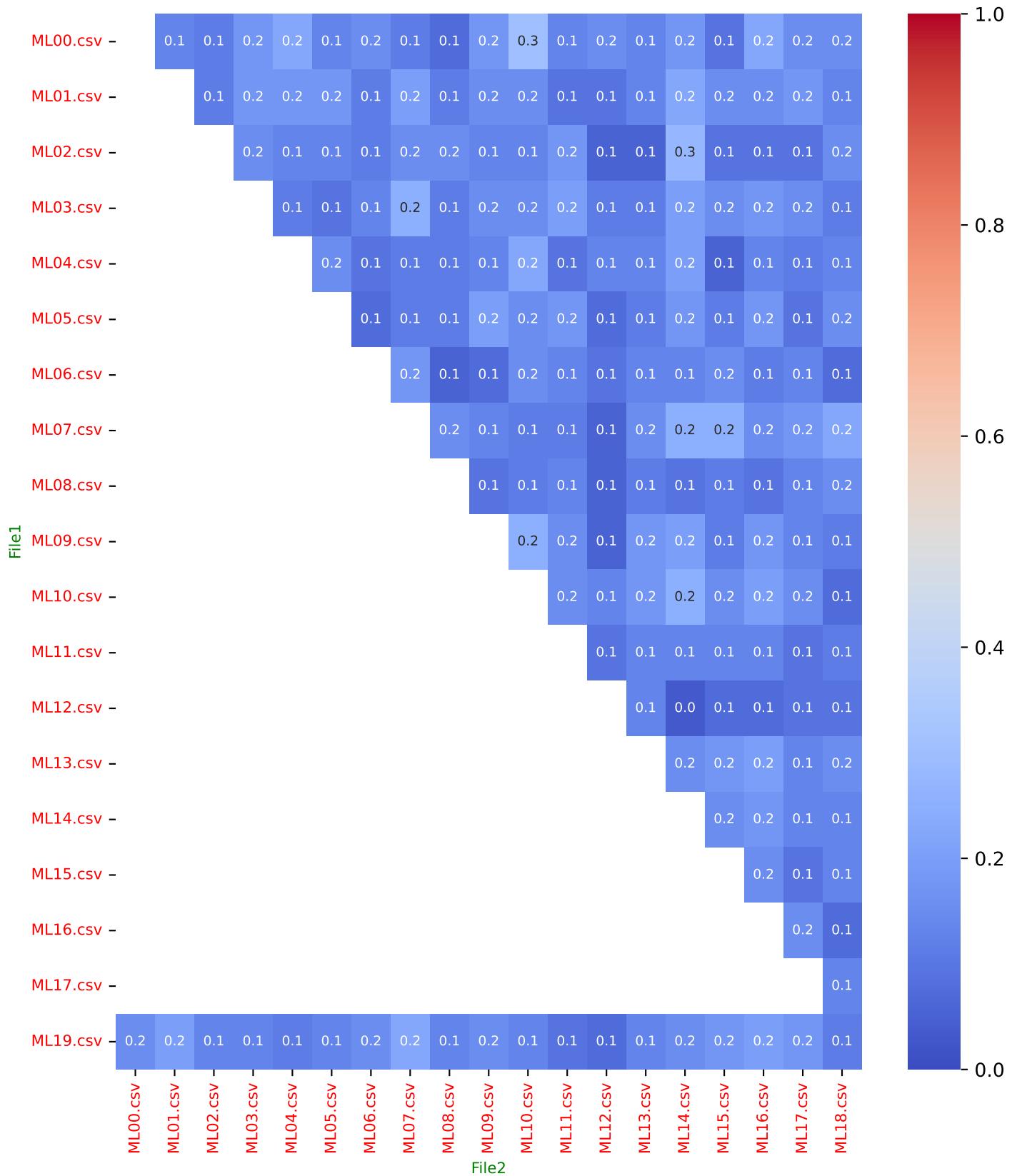
Percentage of Pairs with $\tau > 0$: 62.63%

Implementation Number 123

Parameters: Top_N = 30
Number of files = 20

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient



Implementation Number 123

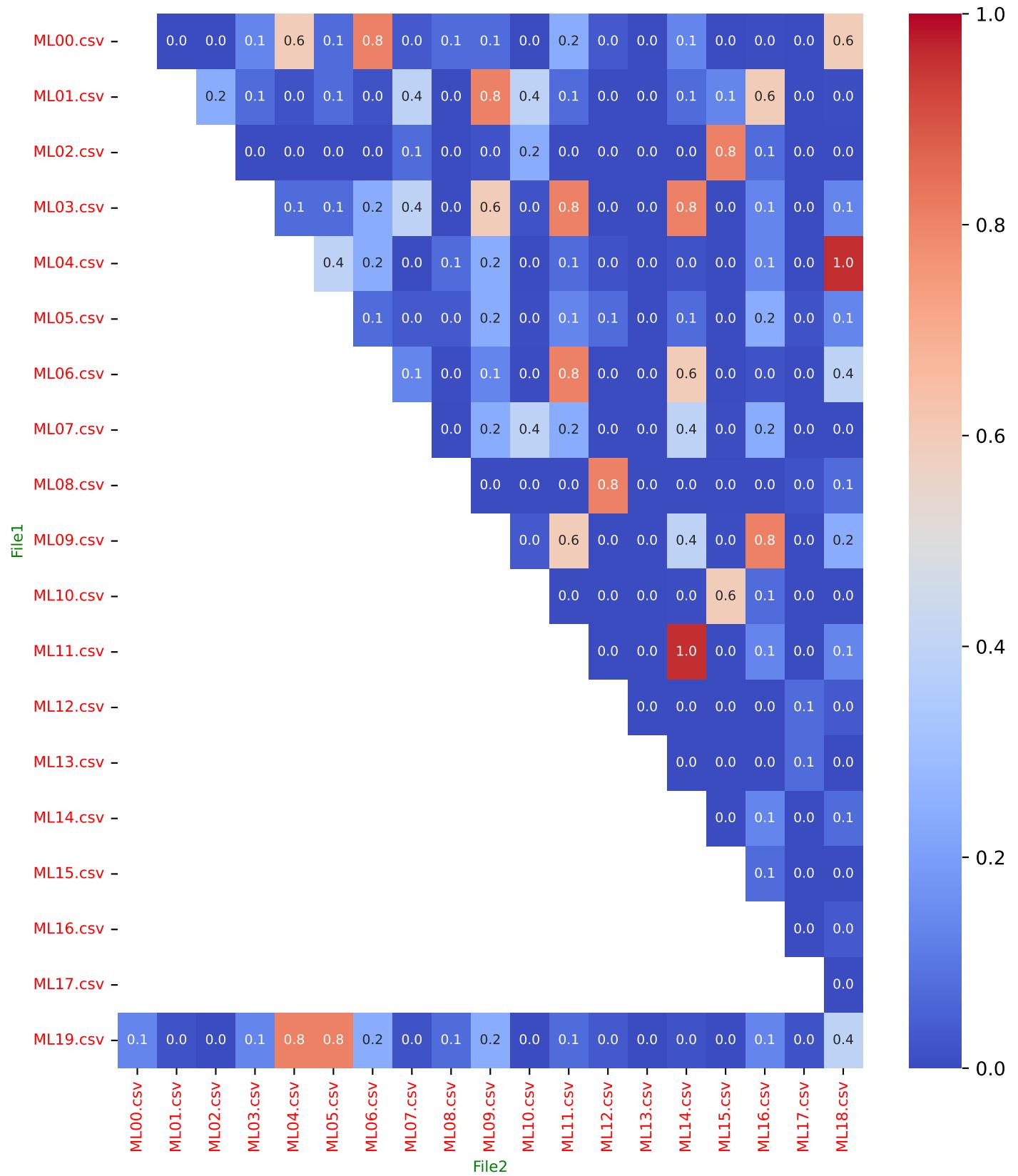
Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)



Implementation Number 123

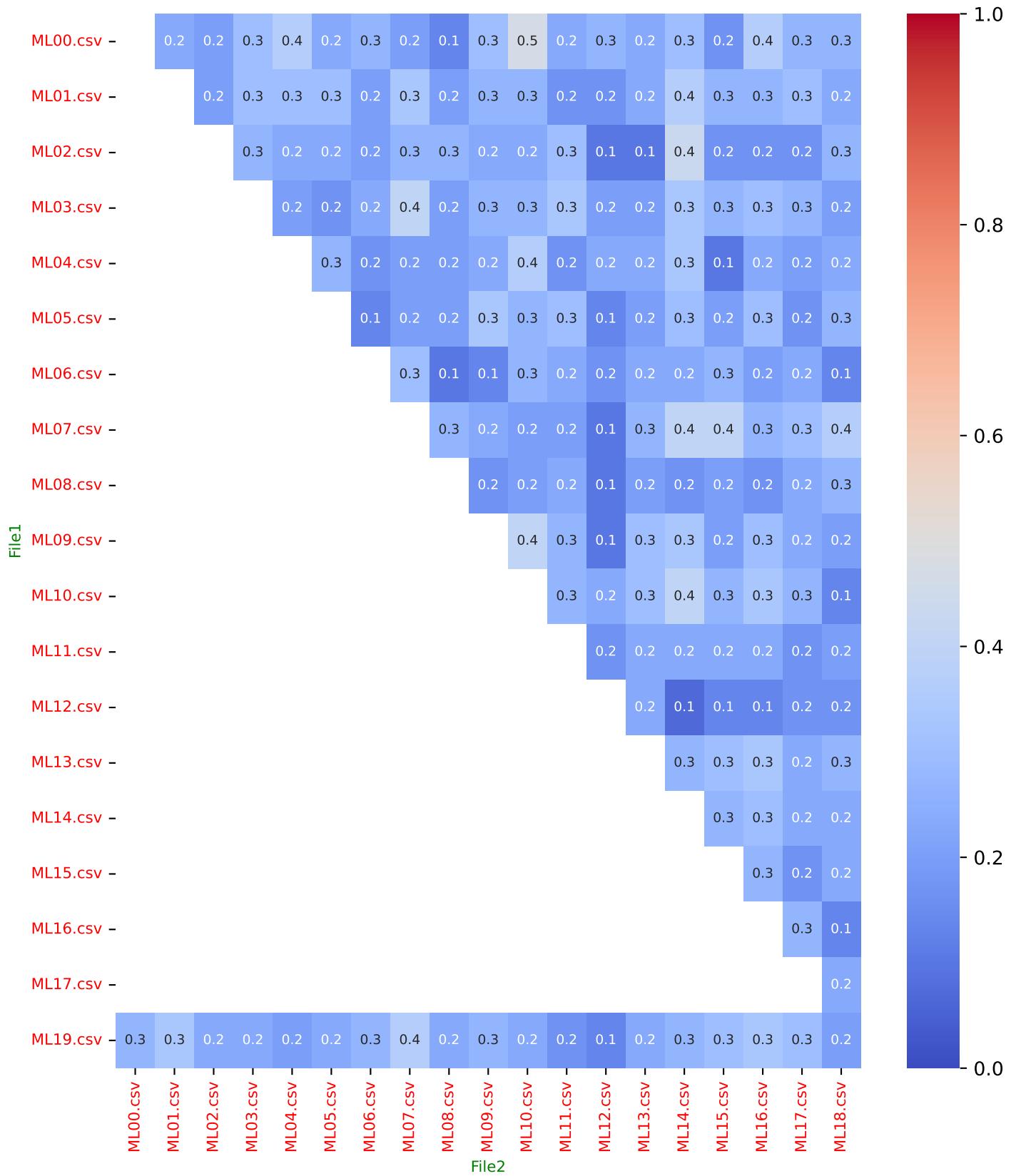
Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Bridging centrality

Heatmap of Overlap Coefficient



Implementation Number 123

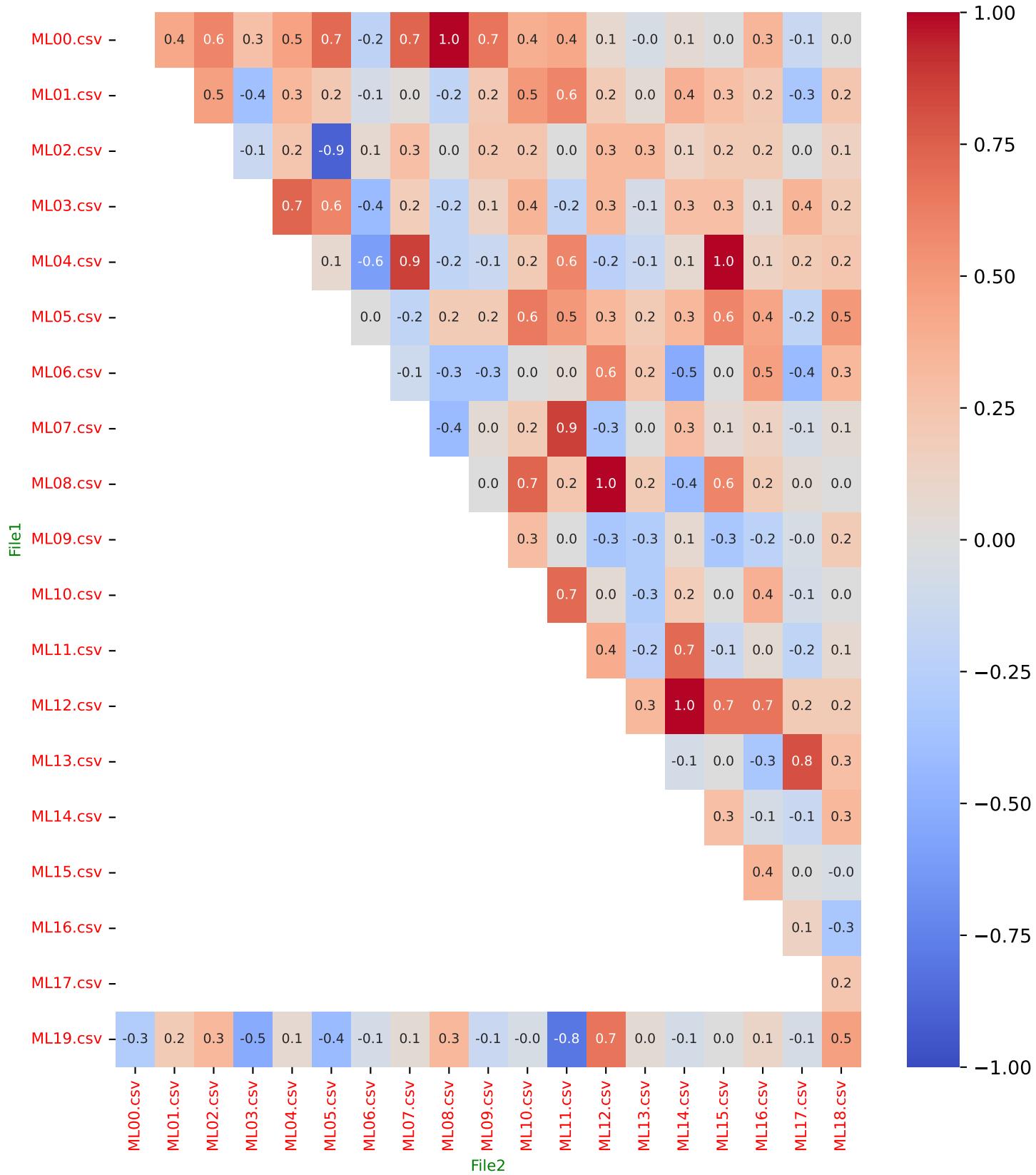
Parameters: Top_N = 30

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 124

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 50
Number of Files: 20**

Implementation Number 124

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 124

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 124

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
015.00 %	BAKON_615	00, 01, 13
080.00 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 10, 11, 12, 15, 16, 17, 18, 19
020.00 %	BAKON_236	00, 08, 11, 19
045.00 %	BAKON_509	00, 01, 03, 07, 08, 12, 13, 18, 19
045.00 %	BAKON_124	00, 02, 04, 06, 08, 14, 16, 17, 19
035.00 %	BAKON_259	00, 07, 08, 09, 14, 16, 18
020.00 %	BAKON_595	00, 03, 06, 17
060.00 %	BAKON_440	00, 01, 02, 03, 04, 06, 10, 11, 12, 14, 15, 18
030.00 %	BAKON_180	00, 01, 03, 04, 05, 17
045.00 %	BAKON_186	00, 04, 06, 08, 12, 14, 15, 17, 19
060.00 %	BAKON_366	00, 01, 02, 03, 05, 06, 10, 11, 13, 15, 16, 17
055.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 09, 10, 13, 15, 19
030.00 %	BAKON_137	00, 04, 07, 12, 13, 18
030.00 %	BAKON_606	00, 09, 11, 17, 18, 19
070.00 %	BAKON_396	00, 01, 02, 04, 06, 07, 08, 10, 11, 14, 15, 16, 17, 18
050.00 %	BAKON_376	00, 01, 02, 05, 07, 11, 13, 15, 16, 17
035.00 %	BAKON_143	00, 02, 04, 07, 14, 17, 18
045.00 %	BAKON_210	00, 05, 07, 08, 09, 10, 14, 16, 18
070.00 %	BAKON_026	00, 02, 03, 04, 06, 07, 08, 10, 13, 14, 15, 16, 18, 19
025.00 %	BAKON_100	00, 01, 06, 14, 16

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Global node Presence Mean (Weighted): 35.66%

Implementation Number 124

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.1236	0.2200	0.3959	0.0909
ML19.csv	ML01.csv	0.2048	0.3400	0.0000	0.3088
ML19.csv	ML02.csv	0.2195	0.3600	0.0013	0.0980
ML19.csv	ML03.csv	0.1765	0.3000	0.0217	0.2190
ML19.csv	ML04.csv	0.1494	0.2600	0.1786	0.3590
ML19.csv	ML05.csv	0.2195	0.3600	0.9667	0.1503
ML19.csv	ML06.csv	0.2195	0.3600	0.2719	0.0065
ML19.csv	ML07.csv	0.2195	0.3600	0.0000	0.1503
ML19.csv	ML08.csv	0.1494	0.2600	0.2719	0.5128
ML19.csv	ML09.csv	0.1905	0.3200	0.0217	0.1500
ML19.csv	ML10.csv	0.1628	0.2800	0.0002	0.0330
ML19.csv	ML11.csv	0.0989	0.1800	0.0002	-0.0556
ML19.csv	ML12.csv	0.1236	0.2200	0.0217	0.0909
ML19.csv	ML13.csv	0.2346	0.3800	0.0000	-0.1696
ML19.csv	ML14.csv	0.1905	0.3200	0.0058	-0.0333
ML19.csv	ML15.csv	0.2195	0.3600	0.0000	-0.0327
ML19.csv	ML16.csv	0.2658	0.4200	0.0392	0.5333
ML19.csv	ML17.csv	0.2048	0.3400	0.1124	0.1765
ML19.csv	ML18.csv	0.1905	0.3200	0.7166	-0.0833
ML00.csv	ML01.csv	0.2048	0.3400	0.0006	0.2794
ML00.csv	ML02.csv	0.2195	0.3600	0.0013	-0.0980
ML00.csv	ML03.csv	0.2346	0.3800	0.1124	0.1579
ML00.csv	ML04.csv	0.2500	0.4000	0.5487	0.1789
ML00.csv	ML05.csv	0.2346	0.3800	0.2719	0.1462
ML00.csv	ML06.csv	0.1628	0.2800	0.7166	0.3187
ML00.csv	ML07.csv	0.1628	0.2800	0.0000	0.0549
ML00.csv	ML08.csv	0.1628	0.2800	0.2719	0.0330
ML00.csv	ML09.csv	0.1628	0.2800	0.1786	0.4945
ML00.csv	ML10.csv	0.2346	0.3800	0.0013	0.4269
ML00.csv	ML11.csv	0.2195	0.3600	0.0028	0.0458
ML00.csv	ML12.csv	0.2346	0.3800	0.0115	0.2749
ML00.csv	ML13.csv	0.2346	0.3800	0.0000	0.0526
ML00.csv	ML14.csv	0.2500	0.4000	0.0217	0.0526
ML00.csv	ML15.csv	0.1628	0.2800	0.0001	0.1429
ML00.csv	ML16.csv	0.1765	0.3000	0.0678	0.3143

Implementation Number 124

Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.2048	0.3400	0.0217	0.1176
ML00.csv	ML18.csv	0.2048	0.3400	0.5487	0.3529
ML01.csv	ML02.csv	0.2048	0.3400	0.3959	0.1324
ML01.csv	ML03.csv	0.2500	0.4000	0.1124	0.0421
ML01.csv	ML04.csv	0.2500	0.4000	0.0006	0.4211
ML01.csv	ML05.csv	0.2821	0.4400	0.0000	0.3420
ML01.csv	ML06.csv	0.1628	0.2800	0.0013	0.1868
ML01.csv	ML07.csv	0.1628	0.2800	0.5487	0.2308
ML01.csv	ML08.csv	0.1494	0.2600	0.0000	0.1795
ML01.csv	ML09.csv	0.1628	0.2800	0.0217	0.2967
ML01.csv	ML10.csv	0.2048	0.3400	0.3959	0.2206
ML01.csv	ML11.csv	0.1236	0.2200	0.2719	0.1273
ML01.csv	ML12.csv	0.2195	0.3600	0.0000	-0.2810
ML01.csv	ML13.csv	0.2048	0.3400	0.0000	0.0294
ML01.csv	ML14.csv	0.2987	0.4600	0.2719	0.4308

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1937

Fleiss' Kappa Agreement Index (κ_F): 0.1281

Mean KS Distance Between Pairs (D): 0.3495

Mean p-value for KS Test Pairs: 0.1176

Mean KS Distance for Multiple Samples (D_{mult}): 0.2462

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1085

Mean Kendall Tau ($\bar{\tau}$): 0.0960

Median Kendall Tau ($\tilde{\tau}$): 0.1013

Percentage of Pairs with $\tau > 0$: 67.89%

Implementation Number 124

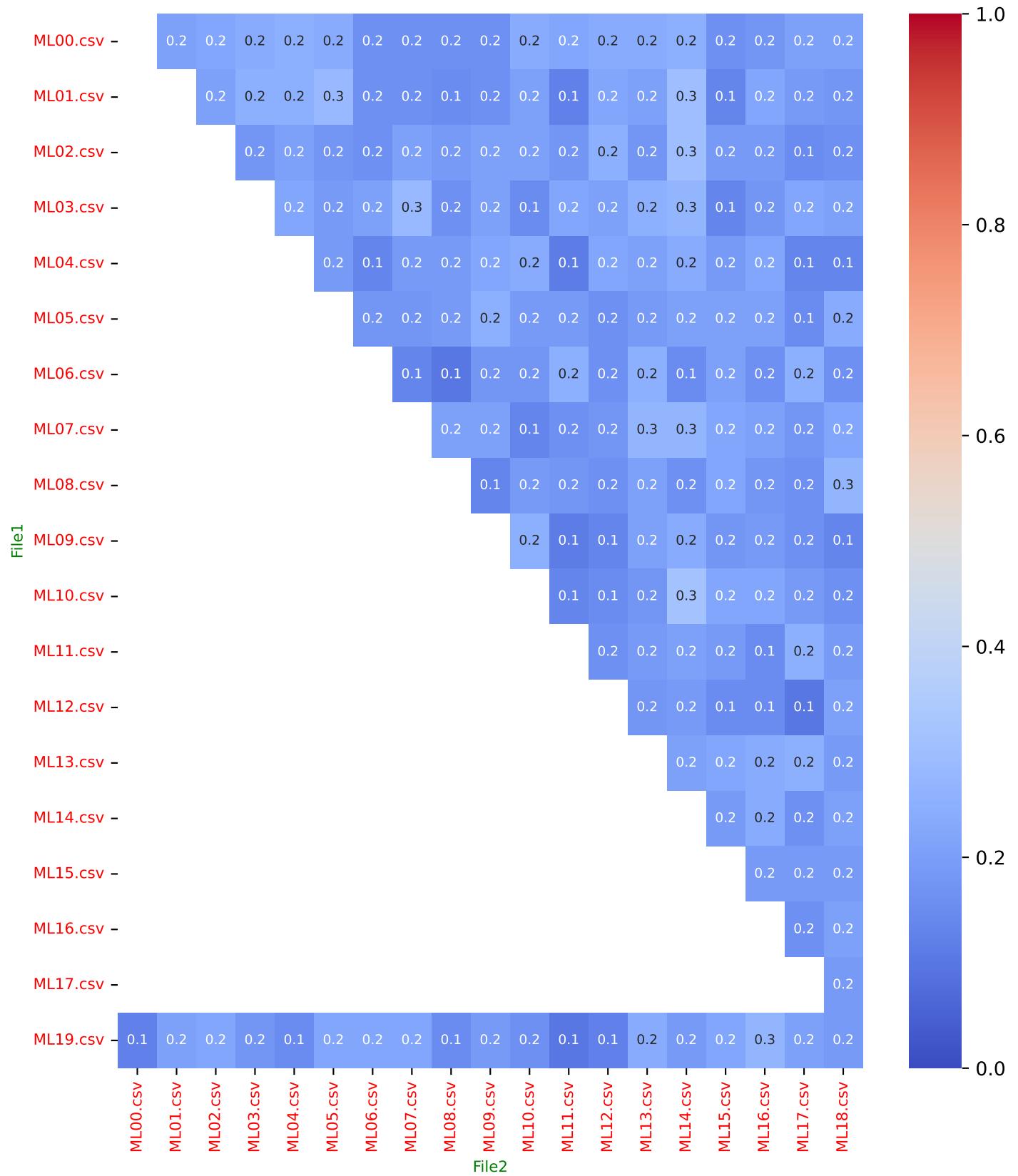
Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient



Implementation Number 124

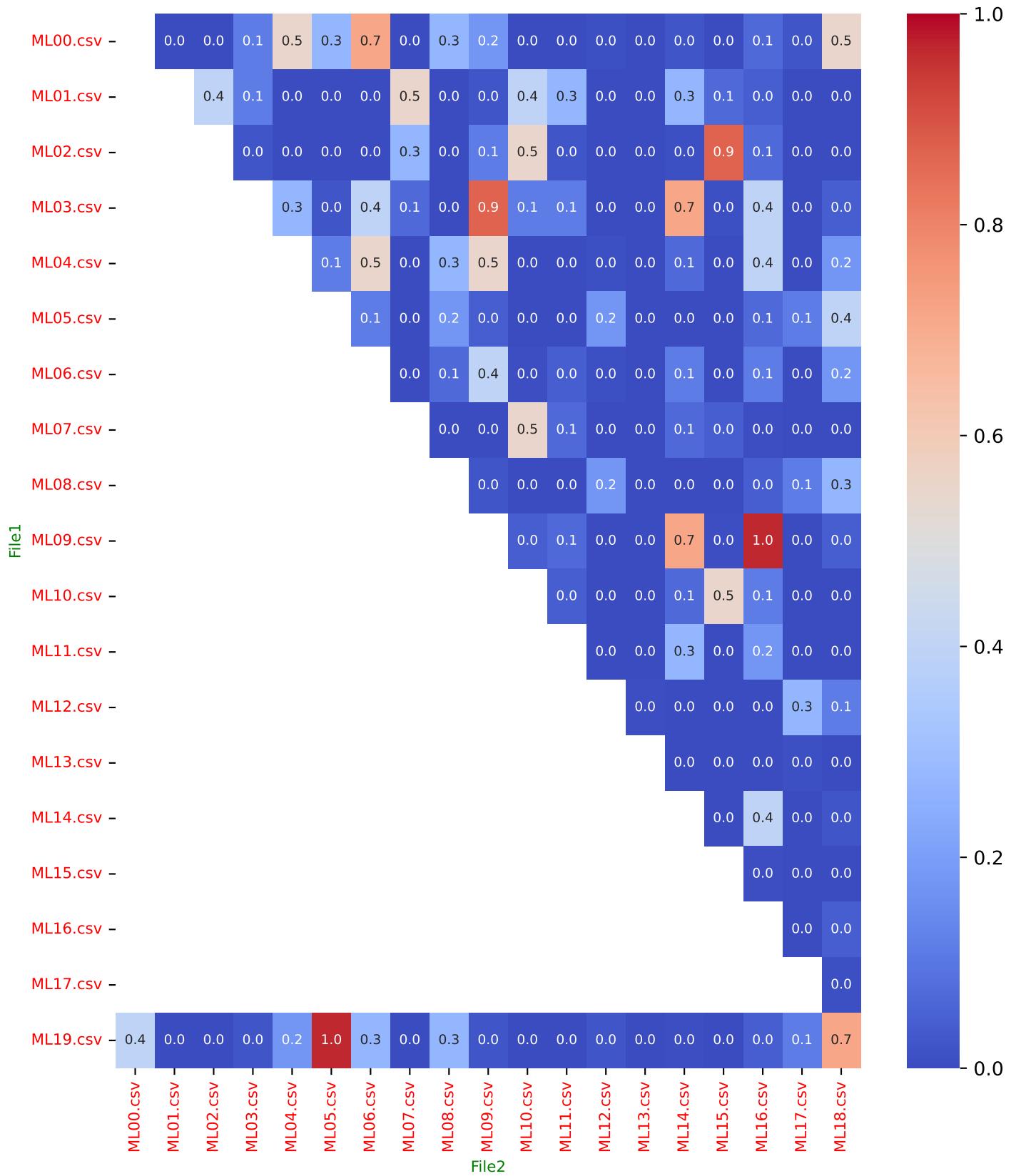
Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)



Implementation Number 124

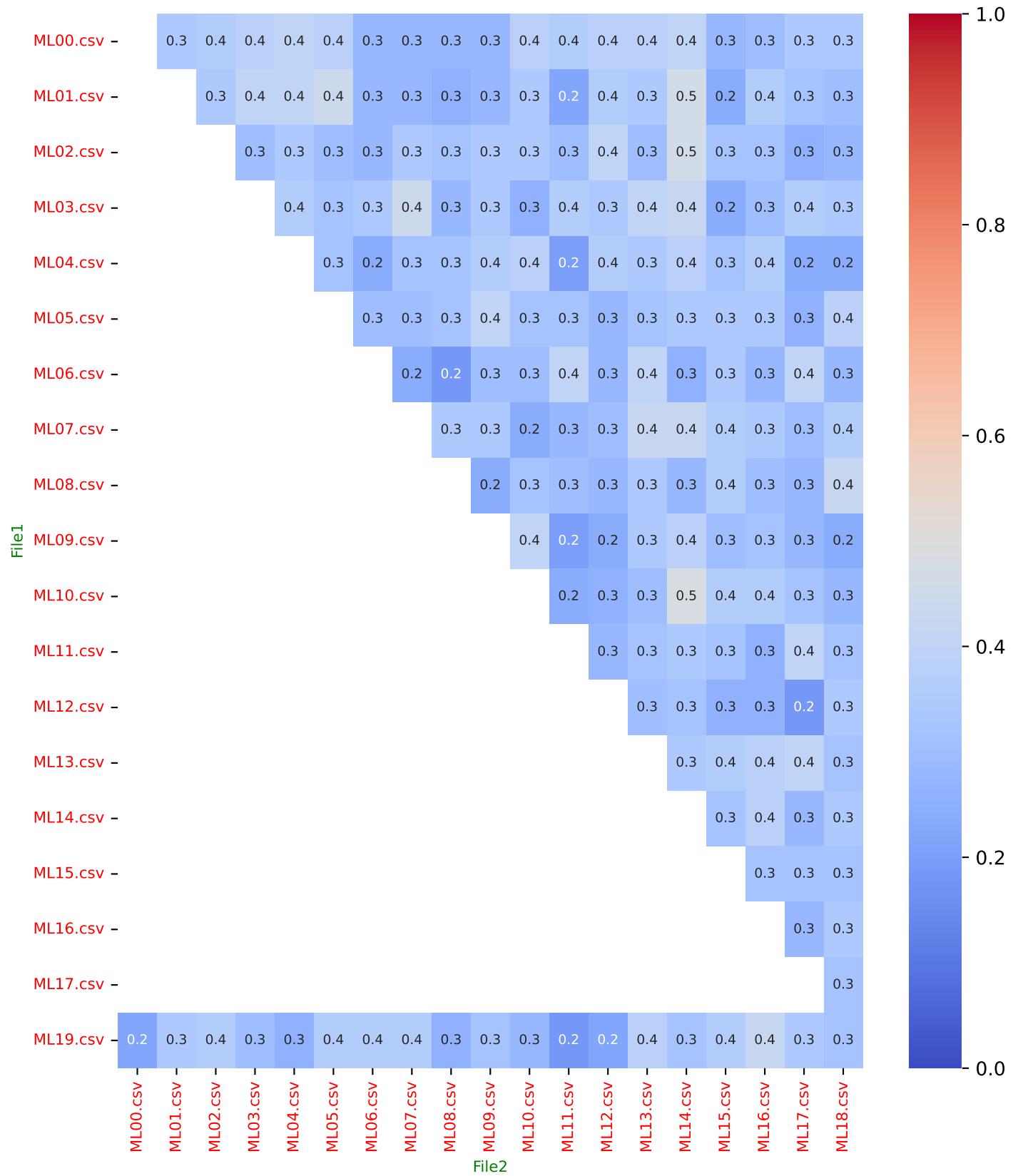
Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient



Implementation Number 124

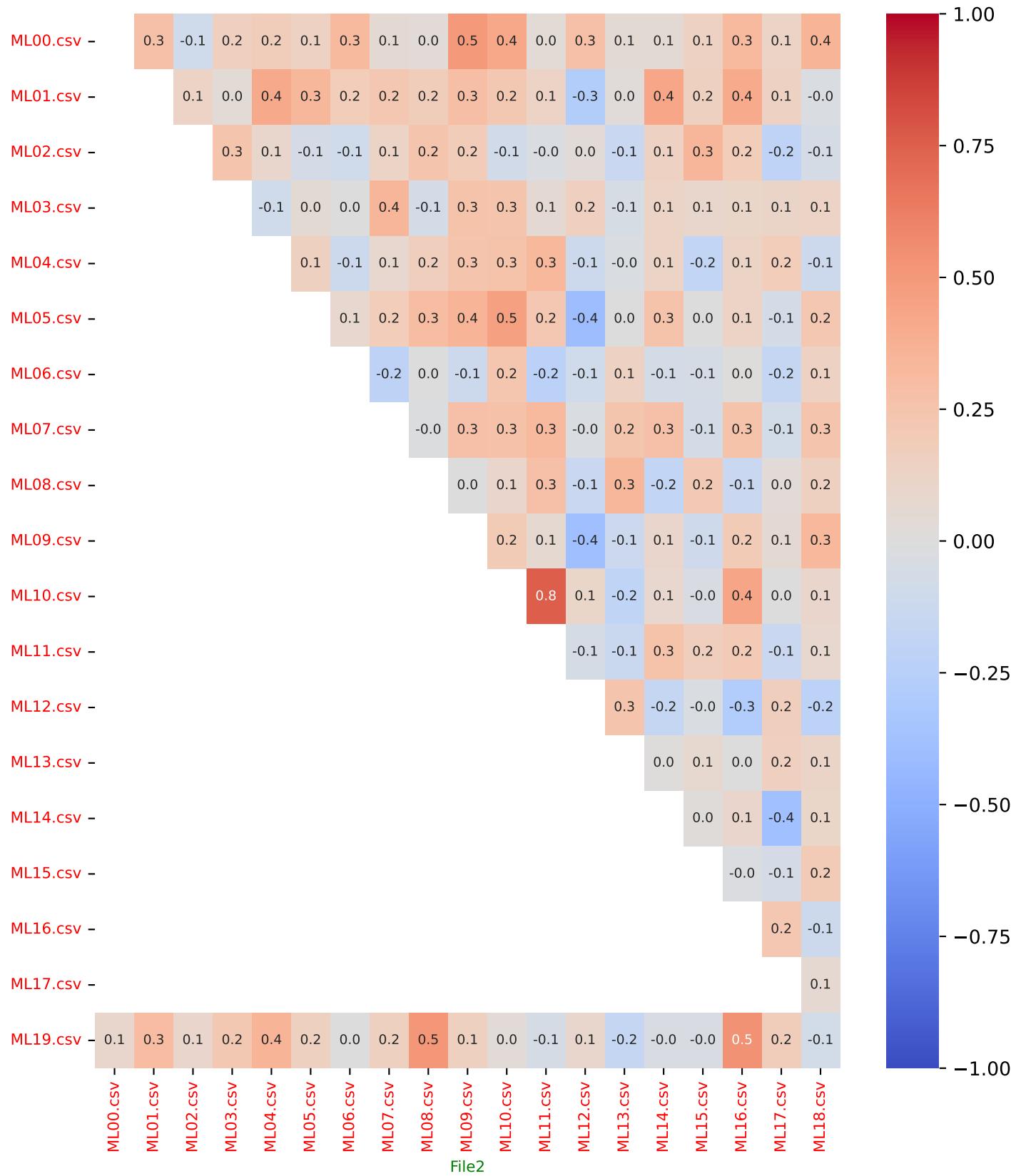
Parameters: Top_N = 50

Number of files = 20

Mode: Machine Learning

Selected metric: Bridging centrality

Heatmap of Kendall Tau Correlation



Implementation 125

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 100
Number of Files: 20**

Implementation Number 125

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 125

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 125

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
025.00 %	BAKON_615	00, 01, 07, 13, 16
090.00 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 18, 19
040.00 %	BAKON_236	00, 06, 08, 11, 12, 14, 17, 19
060.00 %	BAKON_509	00, 01, 03, 06, 07, 08, 12, 13, 16, 17, 18, 19
065.00 %	BAKON_124	00, 02, 03, 04, 06, 08, 12, 14, 15, 16, 17, 18, 19
070.00 %	BAKON_259	00, 02, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 16, 18
025.00 %	BAKON_595	00, 03, 06, 15, 17
070.00 %	BAKON_440	00, 01, 02, 03, 04, 06, 08, 09, 10, 11, 12, 14, 15, 18
045.00 %	BAKON_180	00, 01, 03, 04, 05, 09, 13, 17, 18
075.00 %	BAKON_186	00, 01, 02, 03, 04, 05, 06, 08, 09, 12, 13, 14, 15, 17, 19
090.00 %	BAKON_366	00, 01, 02, 03, 04, 05, 06, 07, 08, 10, 11, 13, 14, 15, 16, 17, 18, 19
075.00 %	BAKON_006	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 15, 19
045.00 %	BAKON_137	00, 04, 07, 10, 11, 12, 13, 15, 18
065.00 %	BAKON_606	00, 02, 03, 07, 09, 10, 11, 12, 13, 14, 17, 18, 19
090.00 %	BAKON_396	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19
085.00 %	BAKON_376	00, 01, 02, 04, 05, 06, 07, 08, 11, 12, 13, 14, 15, 16, 17, 18, 19
065.00 %	BAKON_143	00, 01, 02, 04, 07, 10, 11, 12, 13, 14, 16, 17, 18

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Global node Presence Mean (Weighted): 51.77%

Implementation Number 125

Parameters: Top_N = 100
Number of files = 20

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.3333	0.5000	0.8154	0.1527
ML19.csv	ML01.csv	0.3514	0.5200	0.0000	0.2398
ML19.csv	ML02.csv	0.3793	0.5500	0.0539	0.1987
ML19.csv	ML03.csv	0.3793	0.5500	0.0099	0.0653
ML19.csv	ML04.csv	0.2903	0.4500	0.4695	0.0869
ML19.csv	ML05.csv	0.3605	0.5300	0.4695	0.1248
ML19.csv	ML06.csv	0.3514	0.5200	0.7021	0.0694
ML19.csv	ML07.csv	0.3699	0.5400	0.0000	0.3194
ML19.csv	ML08.csv	0.2821	0.4400	0.7021	0.0909
ML19.csv	ML09.csv	0.2987	0.4600	0.1112	0.1981
ML19.csv	ML10.csv	0.2987	0.4600	0.0022	0.1981
ML19.csv	ML11.csv	0.3245	0.4900	0.0001	0.0357
ML19.csv	ML12.csv	0.3333	0.5000	0.0061	0.0498
ML19.csv	ML13.csv	0.3245	0.4900	0.0000	0.0884
ML19.csv	ML14.csv	0.3605	0.5300	0.0037	0.0987
ML19.csv	ML15.csv	0.3423	0.5100	0.0099	0.2267
ML19.csv	ML16.csv	0.3158	0.4800	0.2819	0.3156
ML19.csv	ML17.csv	0.2987	0.4600	0.2112	0.1643
ML19.csv	ML18.csv	0.2422	0.3900	0.4695	0.1741
ML00.csv	ML01.csv	0.3245	0.4900	0.0000	0.1922
ML00.csv	ML02.csv	0.2987	0.4600	0.0539	0.1749
ML00.csv	ML03.csv	0.3605	0.5300	0.1112	0.0914
ML00.csv	ML04.csv	0.3072	0.4700	0.9084	0.2525
ML00.csv	ML05.csv	0.3072	0.4700	0.2112	0.2192
ML00.csv	ML06.csv	0.3333	0.5000	0.7021	0.2669
ML00.csv	ML07.csv	0.3605	0.5300	0.0000	0.0697
ML00.csv	ML08.csv	0.3333	0.5000	0.4695	0.0204
ML00.csv	ML09.csv	0.2739	0.4300	0.5830	0.2315
ML00.csv	ML10.csv	0.3333	0.5000	0.0099	0.2947
ML00.csv	ML11.csv	0.3514	0.5200	0.0061	0.2187
ML00.csv	ML12.csv	0.3333	0.5000	0.0037	0.0041
ML00.csv	ML13.csv	0.3605	0.5300	0.0000	0.0827
ML00.csv	ML14.csv	0.3072	0.4700	0.0782	0.1508
ML00.csv	ML15.csv	0.3514	0.5200	0.0156	0.0588
ML00.csv	ML16.csv	0.2987	0.4600	0.3682	0.1865

Implementation Number 125

Parameters: Top_N = 100

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.3423	0.5100	0.1112	0.0361
ML00.csv	ML18.csv	0.3423	0.5100	0.3682	0.2957
ML01.csv	ML02.csv	0.3514	0.5200	0.0001	0.1176
ML01.csv	ML03.csv	0.4286	0.6000	0.0099	0.0158
ML01.csv	ML04.csv	0.3605	0.5300	0.0001	0.2395
ML01.csv	ML05.csv	0.3514	0.5200	0.0000	0.3363
ML01.csv	ML06.csv	0.3158	0.4800	0.0000	0.0248
ML01.csv	ML07.csv	0.3605	0.5300	0.3682	0.0798
ML01.csv	ML08.csv	0.3245	0.4900	0.0000	0.0221
ML01.csv	ML09.csv	0.3072	0.4700	0.0004	0.2414
ML01.csv	ML10.csv	0.3072	0.4700	0.0061	0.1896
ML01.csv	ML11.csv	0.3245	0.4900	0.1548	-0.0833
ML01.csv	ML12.csv	0.3423	0.5100	0.0000	0.0933
ML01.csv	ML13.csv	0.3514	0.5200	0.0000	0.0362
ML01.csv	ML14.csv	0.3605	0.5300	0.0156	0.3222

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Global Metrics:

Mean Jaccard Coefficient (J): 0.3274

Fleiss' Kappa Agreement Index (κ_F): 0.2319

Mean KS Distance Between Pairs (D): 0.2387

Mean p-value for KS Test Pairs: 0.1354

Mean KS Distance for Multiple Samples (D_{mult}): 0.1667

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1576

Mean Kendall Tau ($\bar{\tau}$): 0.1135

Median Kendall Tau ($\tilde{\tau}$): 0.1007

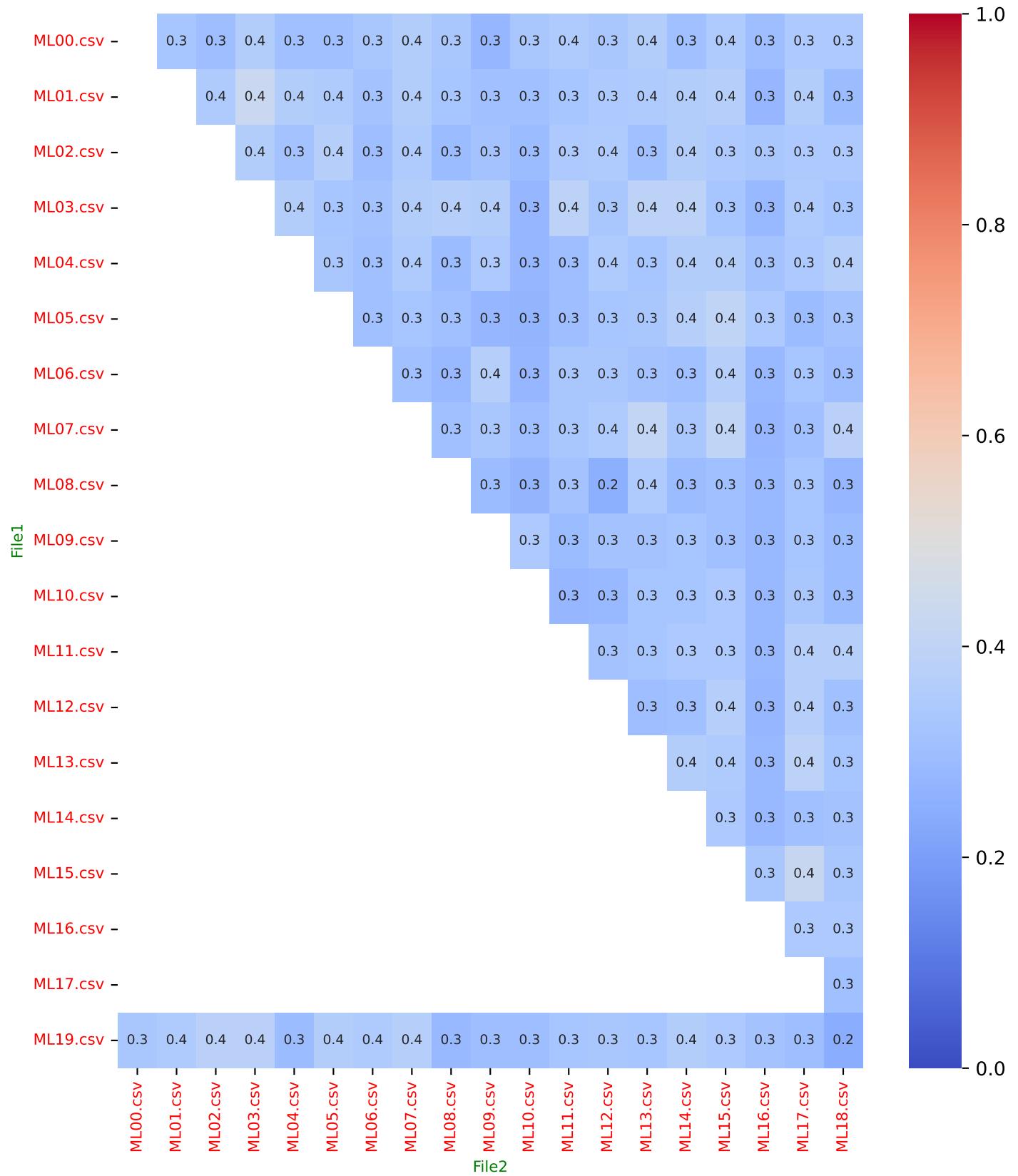
Percentage of Pairs with $\tau > 0$: 88.95%

Implementation Number 125

Parameters: Top_N = 100
Number of files = 20

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

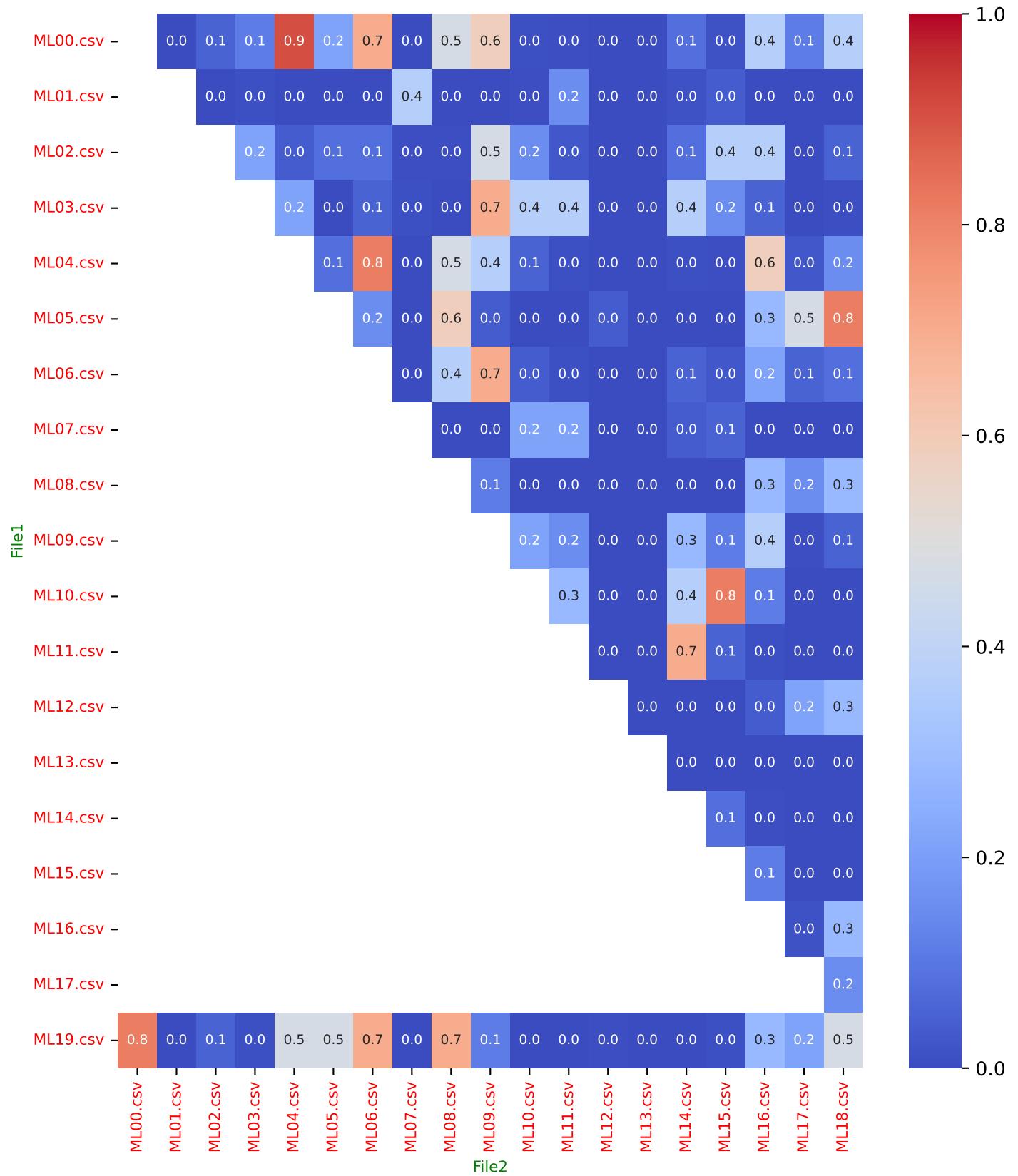


Implementation Number 125

Parameters: Top_N = 100
 Number of files = 20

Mode: Machine Learning
 Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

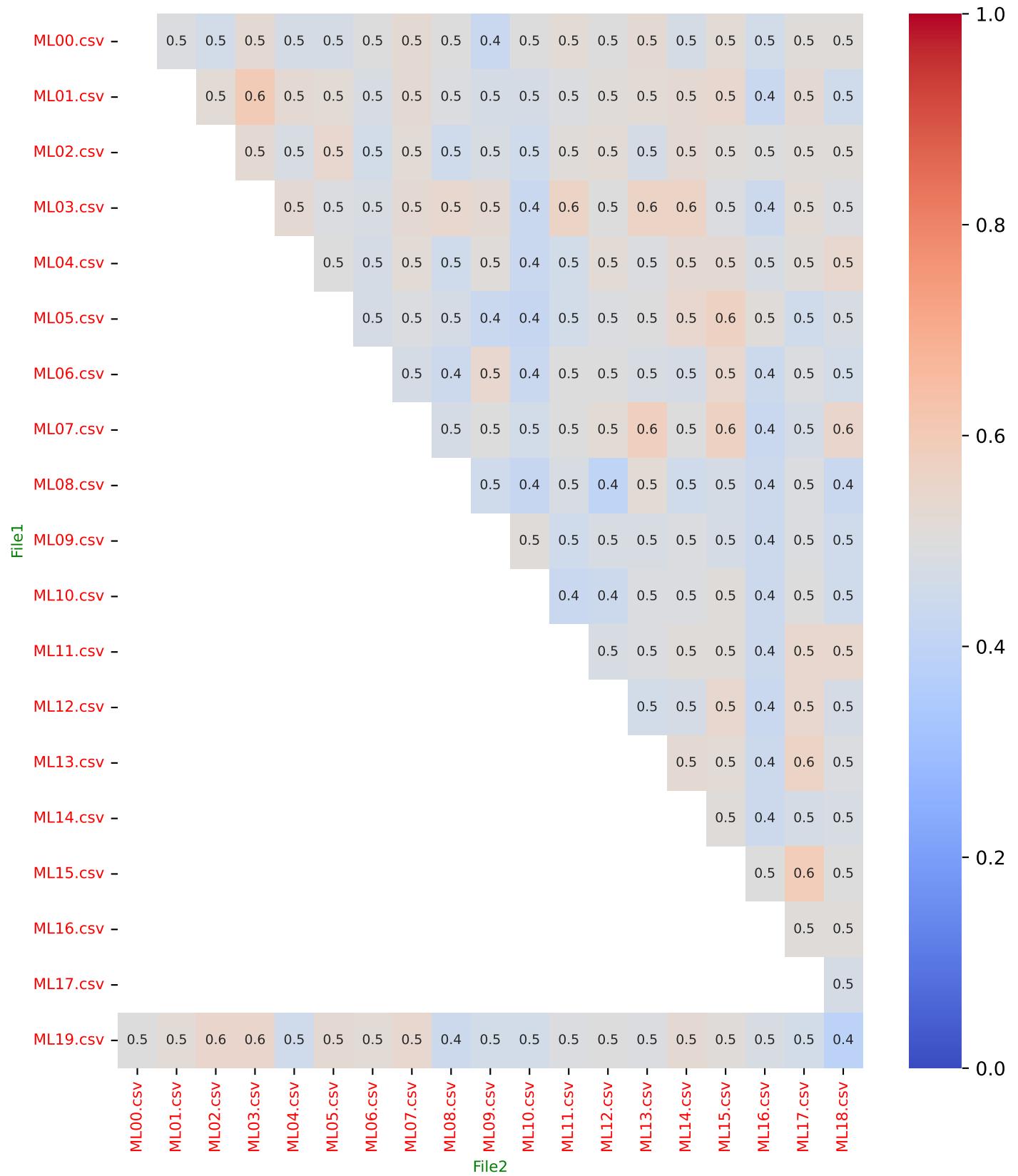


Implementation Number 125

Parameters: Top_N = 100
Number of files = 20

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

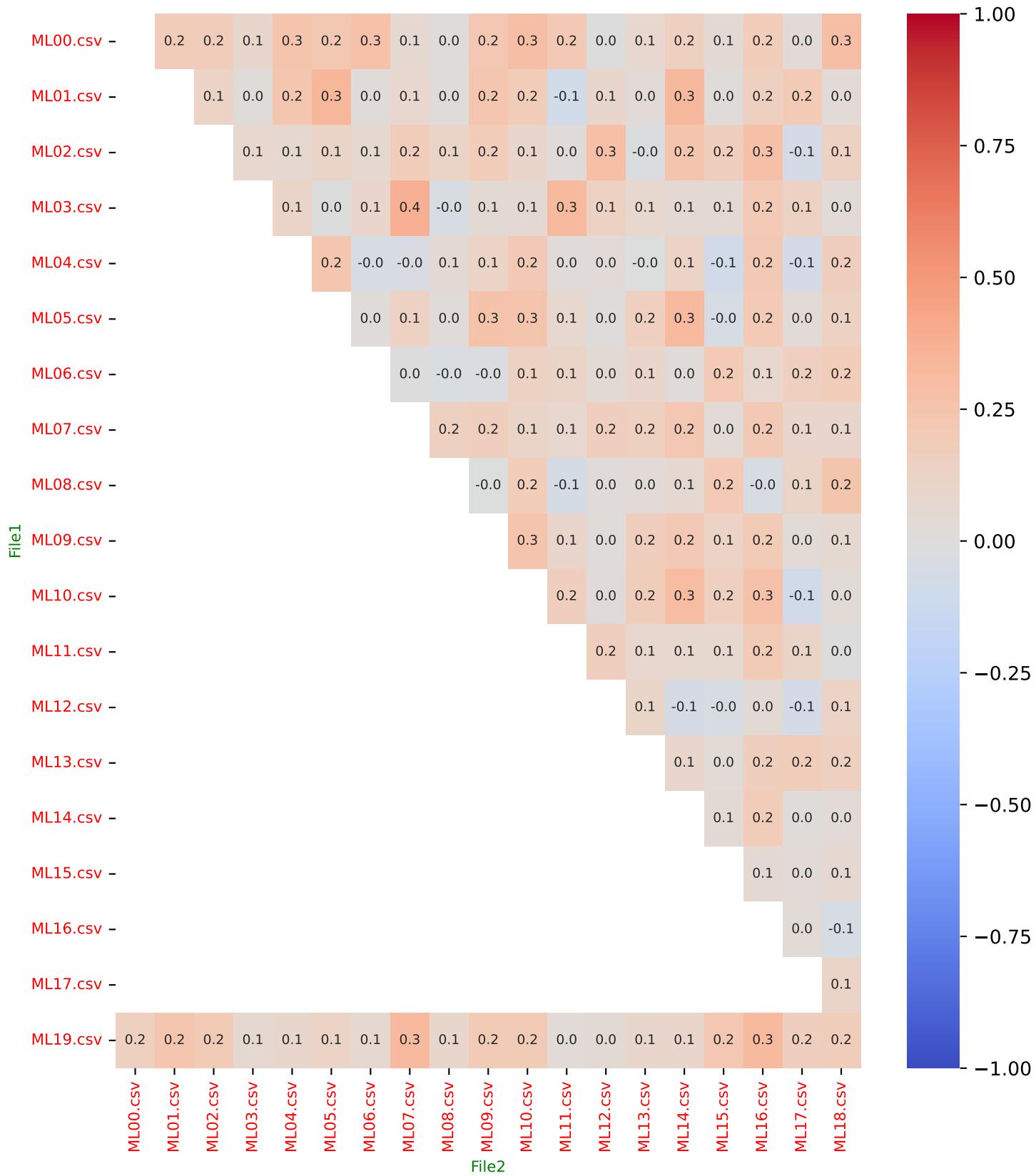


Implementation Number 125

Parameters: Top_N = 100
 Number of files = 20

Mode: Machine Learning
 Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 126

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 200
Number of Files: 20**

Implementation Number 126

Parameters: Top_N = 200

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 126

Parameters: Top_N = 200

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 126

Parameters: Top_N = 200

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
045.00 %	BAKON_615	00, 01, 05, 07, 08, 10, 11, 13, 16
095.00 %	BAKON_406	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 18, 19
070.00 %	BAKON_236	00, 04, 06, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 19
075.00 %	BAKON_509	00, 01, 03, 04, 06, 07, 08, 09, 12, 13, 15, 16, 17, 18, 19
085.00 %	BAKON_124	00, 01, 02, 03, 04, 06, 07, 08, 09, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_259	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
055.00 %	BAKON_595	00, 01, 02, 03, 04, 06, 09, 11, 15, 16, 17
085.00 %	BAKON_440	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 14, 15, 16, 18, 19
045.00 %	BAKON_180	00, 01, 03, 04, 05, 09, 13, 17, 18
100.00 %	BAKON_186	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
100.00 %	BAKON_366	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
095.00 %	BAKON_006	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19
095.00 %	BAKON_137	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18
085.00 %	BAKON_606	00, 01, 02, 03, 05, 07, 08, 09, 10, 11, 12, 13, 14, 15, 17, 18, 19

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Global node Presence Mean (Weighted): 71.19%

Implementation Number 126

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML19.csv	ML00.csv	0.5625	0.7200	0.7934	0.1749
ML19.csv	ML01.csv	0.5326	0.6950	0.0021	0.1629
ML19.csv	ML02.csv	0.5385	0.7000	0.3281	0.2492
ML19.csv	ML03.csv	0.5326	0.6950	0.1421	0.1808
ML19.csv	ML04.csv	0.5504	0.7100	0.8655	0.1544
ML19.csv	ML05.csv	0.5564	0.7150	0.5453	0.3235
ML19.csv	ML06.csv	0.5444	0.7050	0.3281	0.2446
ML19.csv	ML07.csv	0.5444	0.7050	0.0043	0.2406
ML19.csv	ML08.csv	0.5444	0.7050	0.9647	0.1420
ML19.csv	ML09.csv	0.5748	0.7300	0.1779	0.2216
ML19.csv	ML10.csv	0.5152	0.6800	0.0680	0.1923
ML19.csv	ML11.csv	0.5326	0.6950	0.0163	0.1417
ML19.csv	ML12.csv	0.5686	0.7250	0.1123	0.1383
ML19.csv	ML13.csv	0.4870	0.6550	0.0010	0.2289
ML19.csv	ML14.csv	0.5564	0.7150	0.0521	0.3251
ML19.csv	ML15.csv	0.5444	0.7050	0.1421	0.2836
ML19.csv	ML16.csv	0.5326	0.6950	0.7126	0.2629
ML19.csv	ML17.csv	0.5385	0.7000	0.3281	0.2030
ML19.csv	ML18.csv	0.4815	0.6500	0.0396	0.2086
ML00.csv	ML01.csv	0.5936	0.7450	0.0061	0.1675
ML00.csv	ML02.csv	0.5625	0.7200	0.1779	0.1517
ML00.csv	ML03.csv	0.5385	0.7000	0.1779	0.2345
ML00.csv	ML04.csv	0.5385	0.7000	0.4663	0.2277
ML00.csv	ML05.csv	0.5748	0.7300	0.6284	0.2127
ML00.csv	ML06.csv	0.5748	0.7300	0.4663	0.1866
ML00.csv	ML07.csv	0.5504	0.7100	0.0085	0.1979
ML00.csv	ML08.csv	0.5444	0.7050	0.4663	0.1329
ML00.csv	ML09.csv	0.5564	0.7150	0.0396	0.1822
ML00.csv	ML10.csv	0.5564	0.7150	0.1421	0.2219
ML00.csv	ML11.csv	0.5209	0.6850	0.1123	0.2066
ML00.csv	ML12.csv	0.5686	0.7250	0.0878	0.1748
ML00.csv	ML13.csv	0.5038	0.6700	0.0010	0.3344
ML00.csv	ML14.csv	0.5564	0.7150	0.0878	0.2243
ML00.csv	ML15.csv	0.5564	0.7150	0.1779	0.1833
ML00.csv	ML16.csv	0.5625	0.7200	0.7934	0.2111

Implementation Number 126

Parameters: Top_N = 200

Number of files = 20

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML17.csv	0.5686	0.7250	0.3935	0.2159
ML00.csv	ML18.csv	0.5504	0.7100	0.0030	0.2151
ML01.csv	ML02.csv	0.5686	0.7250	0.0085	0.2135
ML01.csv	ML03.csv	0.5094	0.6750	0.0878	0.2030
ML01.csv	ML04.csv	0.5504	0.7100	0.0061	0.2292
ML01.csv	ML05.csv	0.5936	0.7450	0.0001	0.2183
ML01.csv	ML06.csv	0.5326	0.6950	0.0043	0.1307
ML01.csv	ML07.csv	0.5038	0.6700	0.6284	0.2258
ML01.csv	ML08.csv	0.5152	0.6800	0.0004	0.1497
ML01.csv	ML09.csv	0.5209	0.6850	0.0297	0.1109
ML01.csv	ML10.csv	0.5038	0.6700	0.0521	0.2122
ML01.csv	ML11.csv	0.4815	0.6500	0.4663	0.1659
ML01.csv	ML12.csv	0.5504	0.7100	0.0000	0.1526
ML01.csv	ML13.csv	0.5209	0.6850	0.0000	0.1609
ML01.csv	ML14.csv	0.5444	0.7050	0.1779	0.2814

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Global Metrics:

Mean Jaccard Coefficient (J): 0.5351

Fleiss' Kappa Agreement Index (κ_F): 0.3463

Mean KS Distance Between Pairs (D): 0.1333

Mean p-value for KS Test Pairs: 0.2061

Mean KS Distance for Multiple Samples (D_{mult}): 0.0936

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.2230

Mean Kendall Tau (τ): 0.1961

Median Kendall Tau ($\tilde{\tau}$): 0.1986

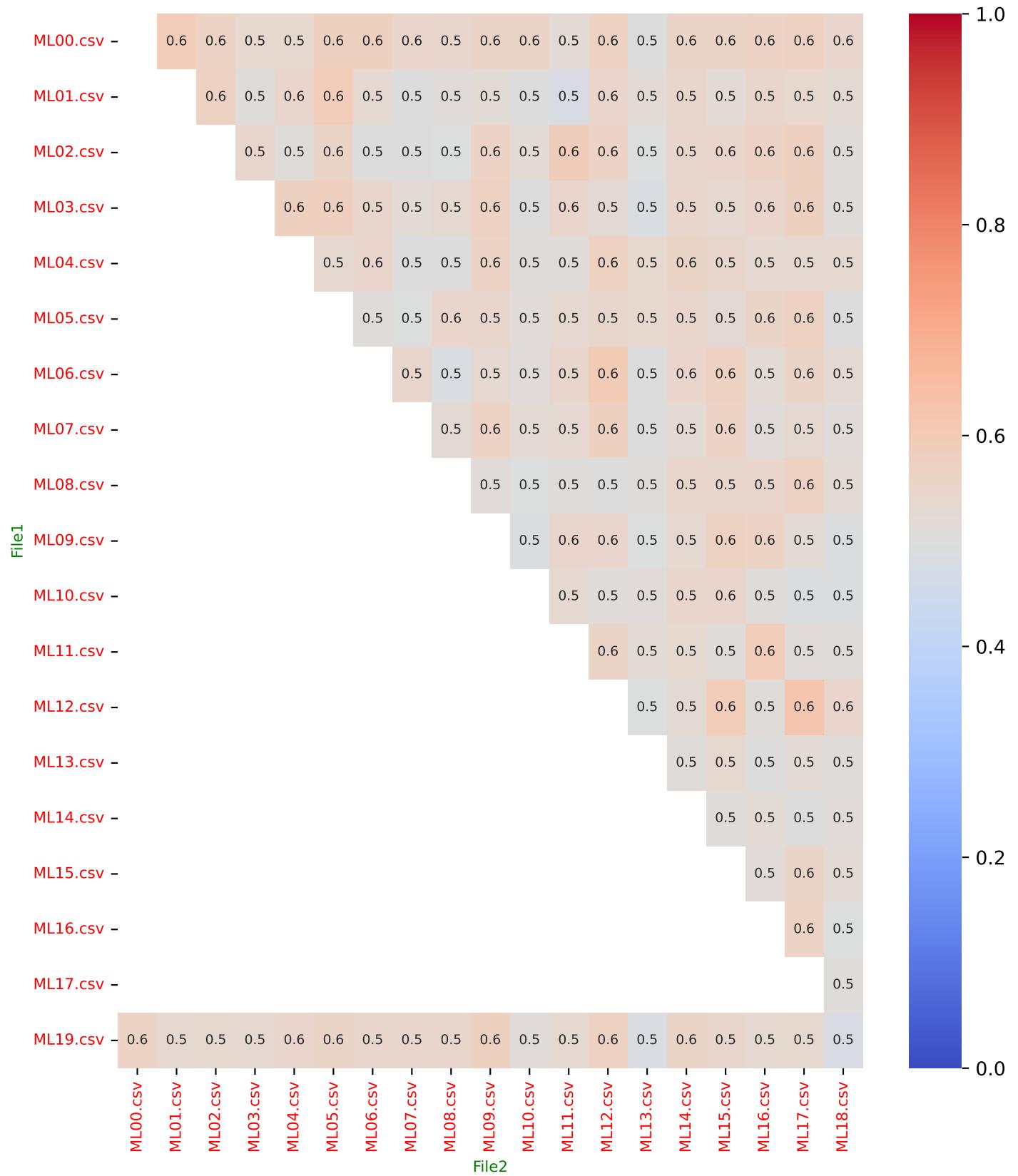
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 126

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

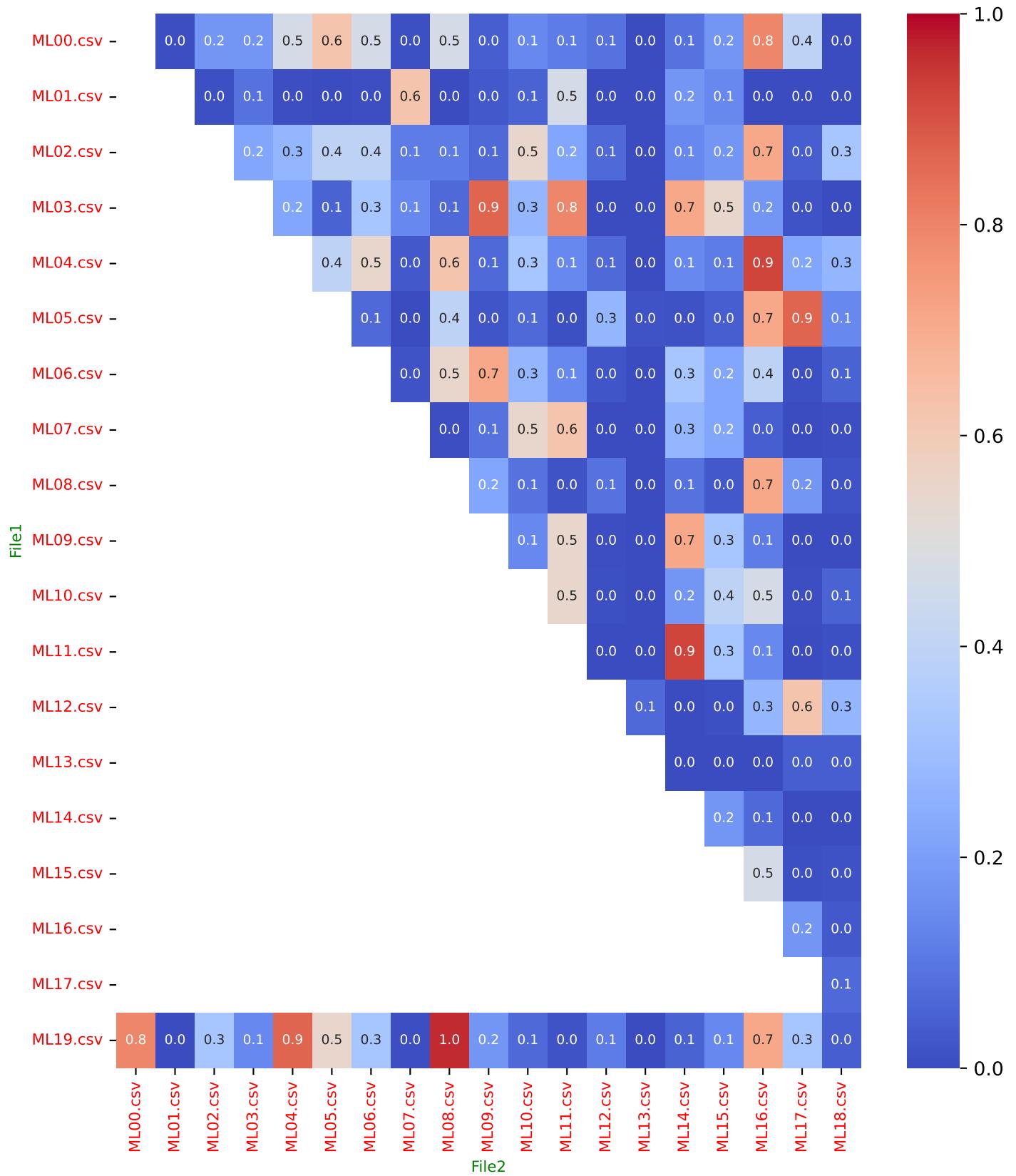


Implementation Number 126

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

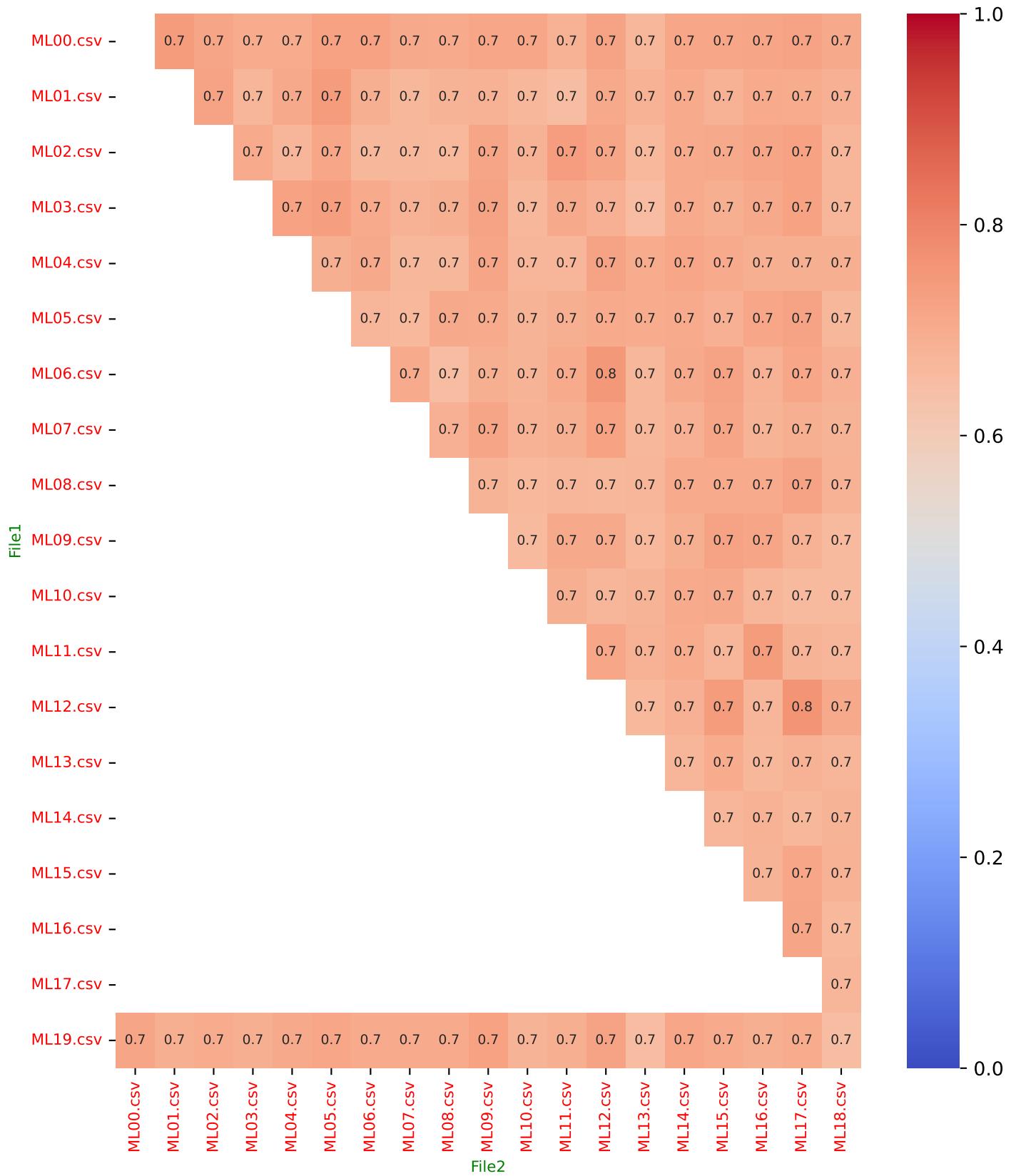


Implementation Number 126

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

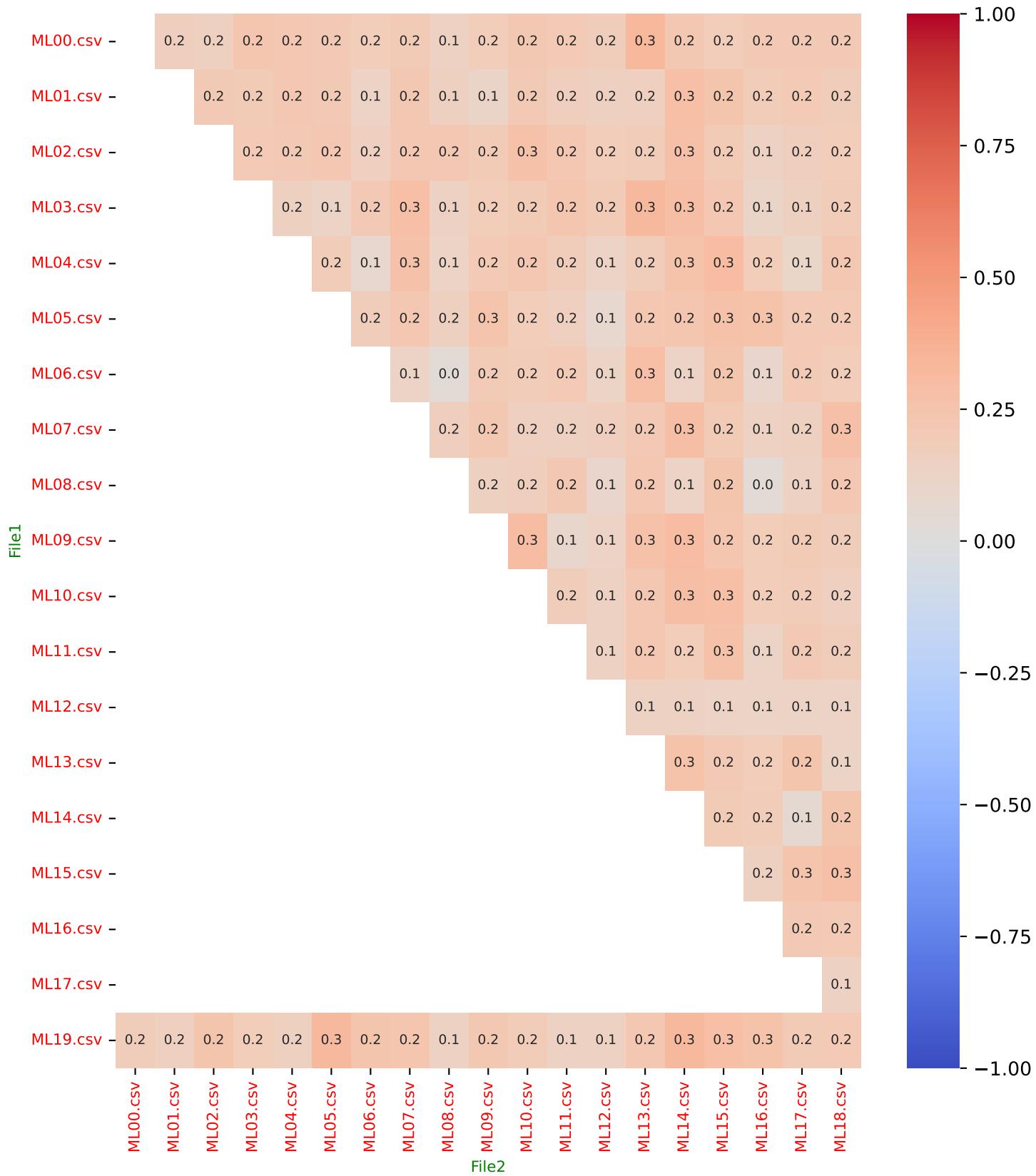


Implementation Number 126

Parameters: Top_N = 200
Number of files = 20

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 127

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 10
Number of Files: 30

Implementation Number 127

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 127

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 127

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
056.67 %	BAKON_478	00, 01, 02, 03, 07, 10, 11, 14, 15, 17, 18, 21, 22, 24, 27, 28, 29
013.33 %	BAKON_571	00, 08, 25, 26
016.67 %	BAKON_126	00, 03, 06, 11, 12
026.67 %	BAKON_276	00, 09, 12, 15, 21, 25, 26, 28
040.00 %	BAKON_130	00, 02, 04, 05, 06, 07, 09, 12, 14, 18, 23, 25
010.00 %	BAKON_125	00, 23, 25
056.67 %	BAKON_084	00, 02, 03, 04, 08, 09, 10, 11, 12, 15, 16, 19, 20, 22, 23, 26, 29
003.33 %	BAKON_273	00
030.00 %	BAKON_133	00, 08, 09, 12, 14, 18, 20, 23, 28
020.00 %	BAKON_470	00, 02, 10, 16, 22, 29
040.00 %	BAKON_212	01, 04, 08, 09, 13, 18, 19, 20, 21, 22, 23, 28
013.33 %	BAKON_373	01, 15, 19, 27
020.00 %	BAKON_374	01, 06, 13, 15, 21, 27
023.33 %	BAKON_211	01, 03, 04, 10, 11, 15, 24
040.00 %	BAKON_209	01, 02, 03, 04, 05, 08, 14, 20, 22, 24, 26, 28
026.67 %	BAKON_083	01, 12, 15, 17, 19, 20, 21, 24
013.33 %	BAKON_398	01, 11, 25, 26
030.00 %	BAKON_437	01, 02, 04, 08, 09, 10, 17, 25, 26
010.00 %	BAKON_377	01, 15, 18
013.33 %	BAKON_160	02, 03, 05, 07
020.00 %	BAKON_082	02, 04, 10, 14, 16, 17
026.67 %	BAKON_085	02, 04, 07, 10, 12, 13, 17, 28
003.33 %	BAKON_153	02

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Global node Presence Mean (Weighted): 25.22%

Implementation Number 127

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.0526	0.1000	0.0000	nan
ML29.csv	ML01.csv	0.2500	0.4000	1.0000	1.0000
ML29.csv	ML02.csv	0.1765	0.3000	0.0000	0.3333
ML29.csv	ML03.csv	0.1111	0.2000	0.0123	nan
ML29.csv	ML04.csv	0.0526	0.1000	0.0002	nan
ML29.csv	ML05.csv	0.1111	0.2000	0.0000	1.0000
ML29.csv	ML06.csv	0.1111	0.2000	0.1678	-1.0000
ML29.csv	ML07.csv	0.1765	0.3000	0.9945	-1.0000
ML29.csv	ML08.csv	0.2500	0.4000	0.0000	-0.5774
ML29.csv	ML09.csv	0.1765	0.3000	0.0000	1.0000
ML29.csv	ML10.csv	0.1765	0.3000	0.0000	0.8165
ML29.csv	ML11.csv	0.3333	0.5000	0.0002	0.0000
ML29.csv	ML12.csv	0.0000	0.0000	0.0000	nan
ML29.csv	ML13.csv	0.1765	0.3000	0.0000	0.0000
ML29.csv	ML14.csv	0.1765	0.3000	0.0002	0.8165
ML29.csv	ML15.csv	0.1111	0.2000	0.0000	nan
ML29.csv	ML16.csv	0.0526	0.1000	0.0524	nan
ML29.csv	ML17.csv	0.1765	0.3000	0.0002	0.8165
ML29.csv	ML18.csv	0.0526	0.1000	0.0000	nan
ML29.csv	ML19.csv	0.1111	0.2000	0.0000	nan
ML29.csv	ML20.csv	0.1111	0.2000	0.0002	1.0000
ML29.csv	ML21.csv	0.1765	0.3000	0.0524	-0.5000
ML29.csv	ML22.csv	0.2500	0.4000	0.0000	nan
ML29.csv	ML23.csv	0.0526	0.1000	0.0021	nan
ML29.csv	ML24.csv	0.2500	0.4000	0.9945	0.8000
ML29.csv	ML25.csv	0.1765	0.3000	0.0000	nan
ML29.csv	ML26.csv	0.0526	0.1000	0.0000	nan
ML29.csv	ML27.csv	0.1765	0.3000	0.0002	nan
ML29.csv	ML28.csv	0.1765	0.3000	0.1678	0.8165
ML00.csv	ML01.csv	0.1765	0.3000	0.0000	1.0000
ML00.csv	ML02.csv	0.1765	0.3000	0.0021	1.0000
ML00.csv	ML03.csv	0.2500	0.4000	0.0000	0.9129
ML00.csv	ML04.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML05.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML06.csv	0.0526	0.1000	0.0000	nan

Implementation Number 127

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.1765	0.3000	0.0000	-0.8165
ML00.csv	ML08.csv	0.1111	0.2000	0.4175	1.0000
ML00.csv	ML09.csv	0.1765	0.3000	0.0000	1.0000
ML00.csv	ML10.csv	0.1765	0.3000	0.0002	0.8165
ML00.csv	ML11.csv	0.0526	0.1000	0.0524	nan
ML00.csv	ML12.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML13.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML14.csv	0.4286	0.6000	0.0002	0.8040
ML00.csv	ML15.csv	0.0000	0.0000	0.4175	nan
ML00.csv	ML16.csv	0.1765	0.3000	0.0002	0.8165
ML00.csv	ML17.csv	0.1765	0.3000	0.4175	0.3333
ML00.csv	ML18.csv	0.1765	0.3000	0.0000	0.3333
ML00.csv	ML19.csv	0.1765	0.3000	0.4175	0.0000
ML00.csv	ML20.csv	0.2500	0.4000	0.0123	0.9129
ML00.csv	ML21.csv	0.1765	0.3000	0.0000	0.3333

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1327

Fleiss' Kappa Agreement Index (κF): 0.1056

Mean KS Distance Between Pairs (D): 0.8561

Mean p-value for KS Test Pairs: 0.0839

Mean KS Distance for Multiple Samples (D_{mult}): 0.6169

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0175

Mean Kendall Tau ($\bar{\tau}$): 0.2426

Median Kendall Tau ($\tilde{\tau}$): 0.5000

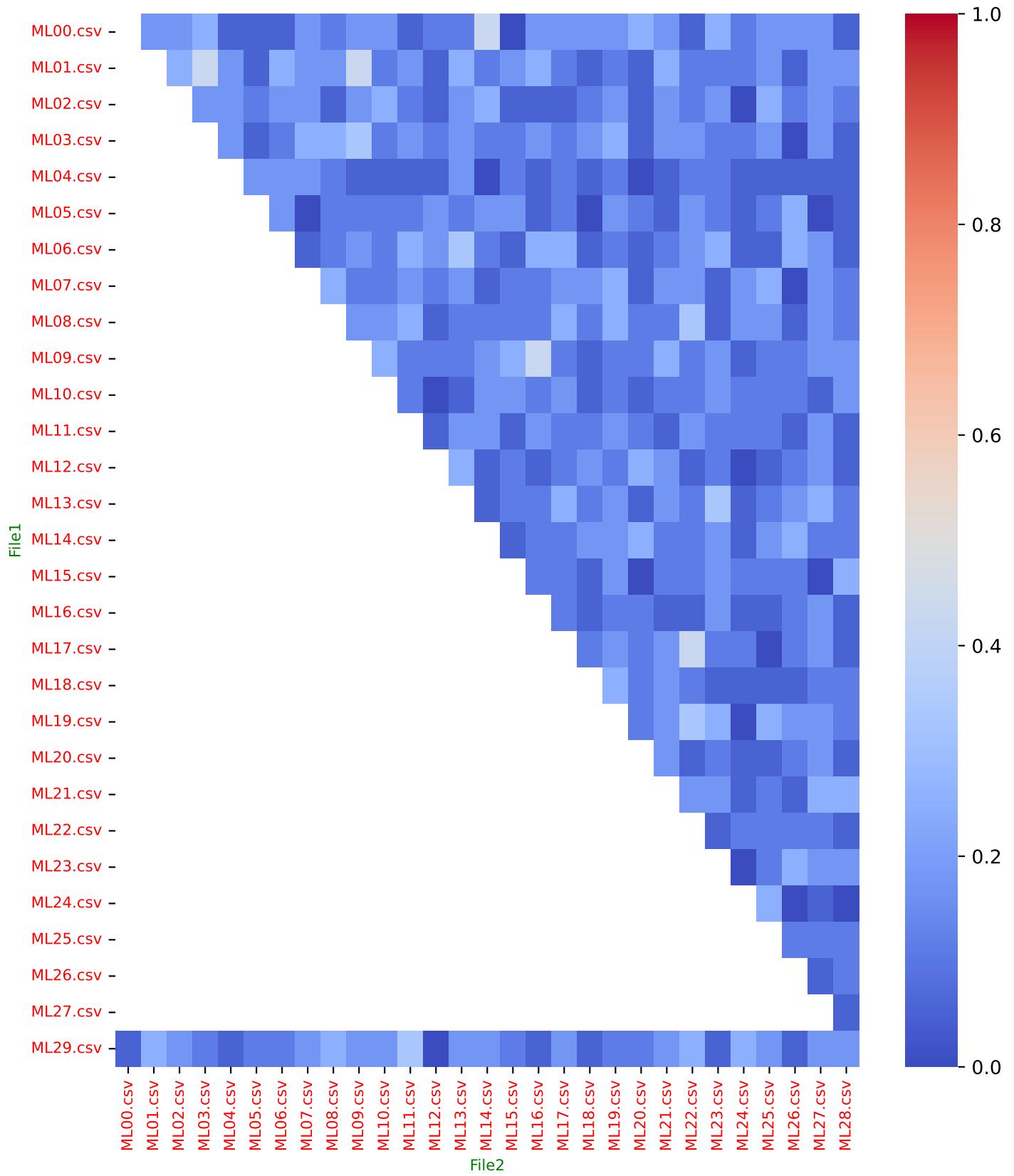
Percentage of Pairs with $\tau > 0$: 31.03%

Implementation Number 127

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

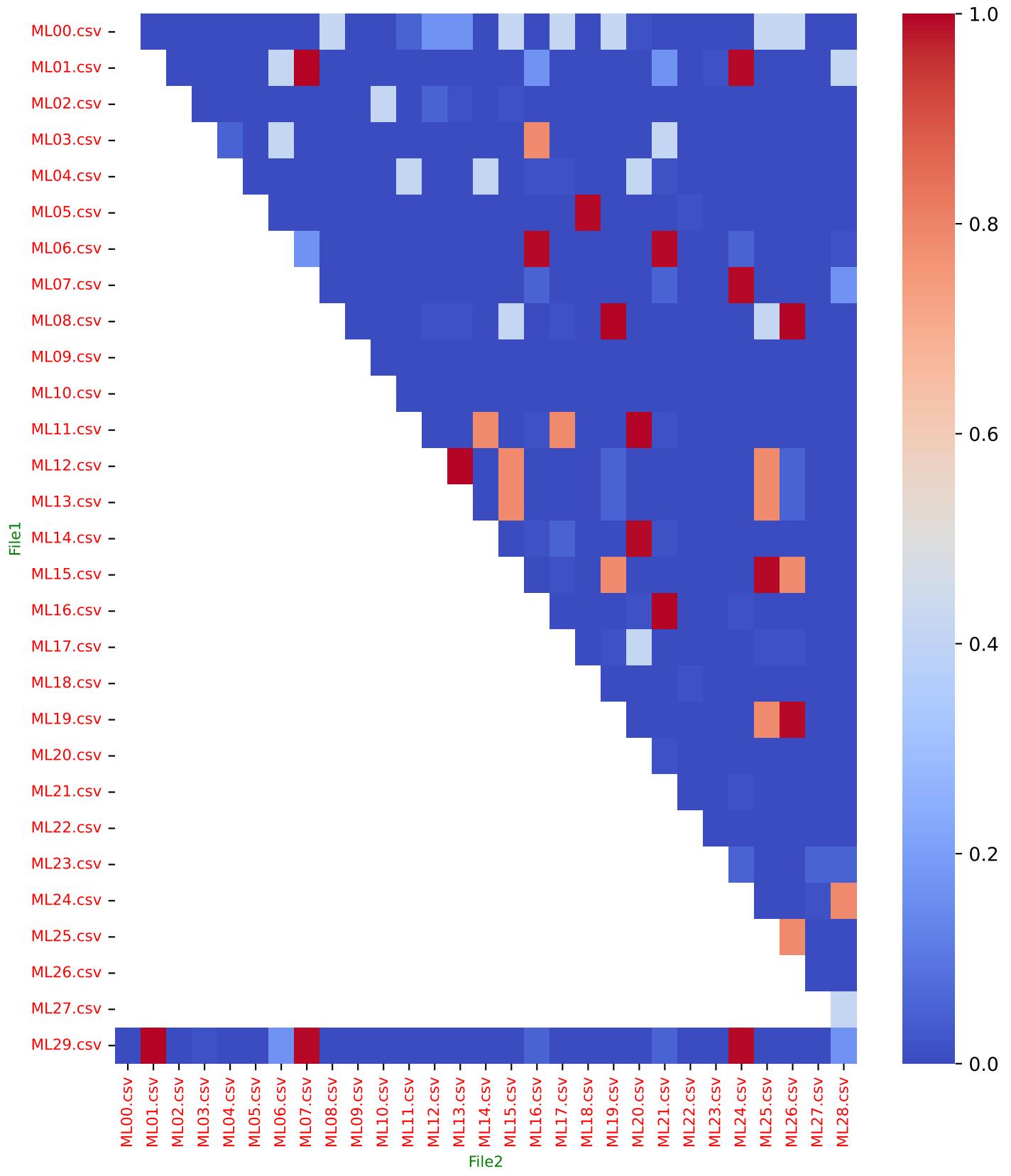


Implementation Number 127

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

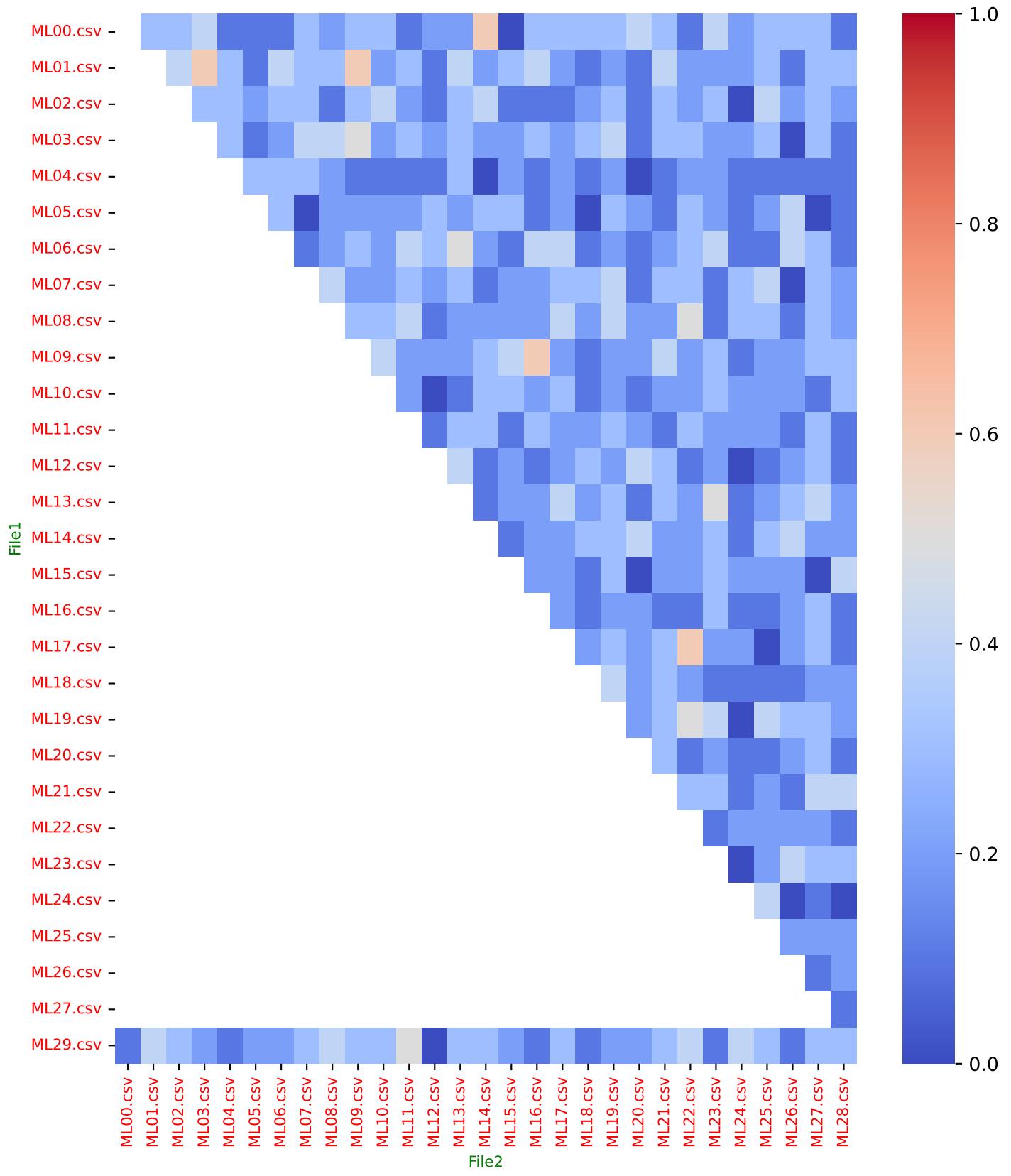


Implementation Number 127

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

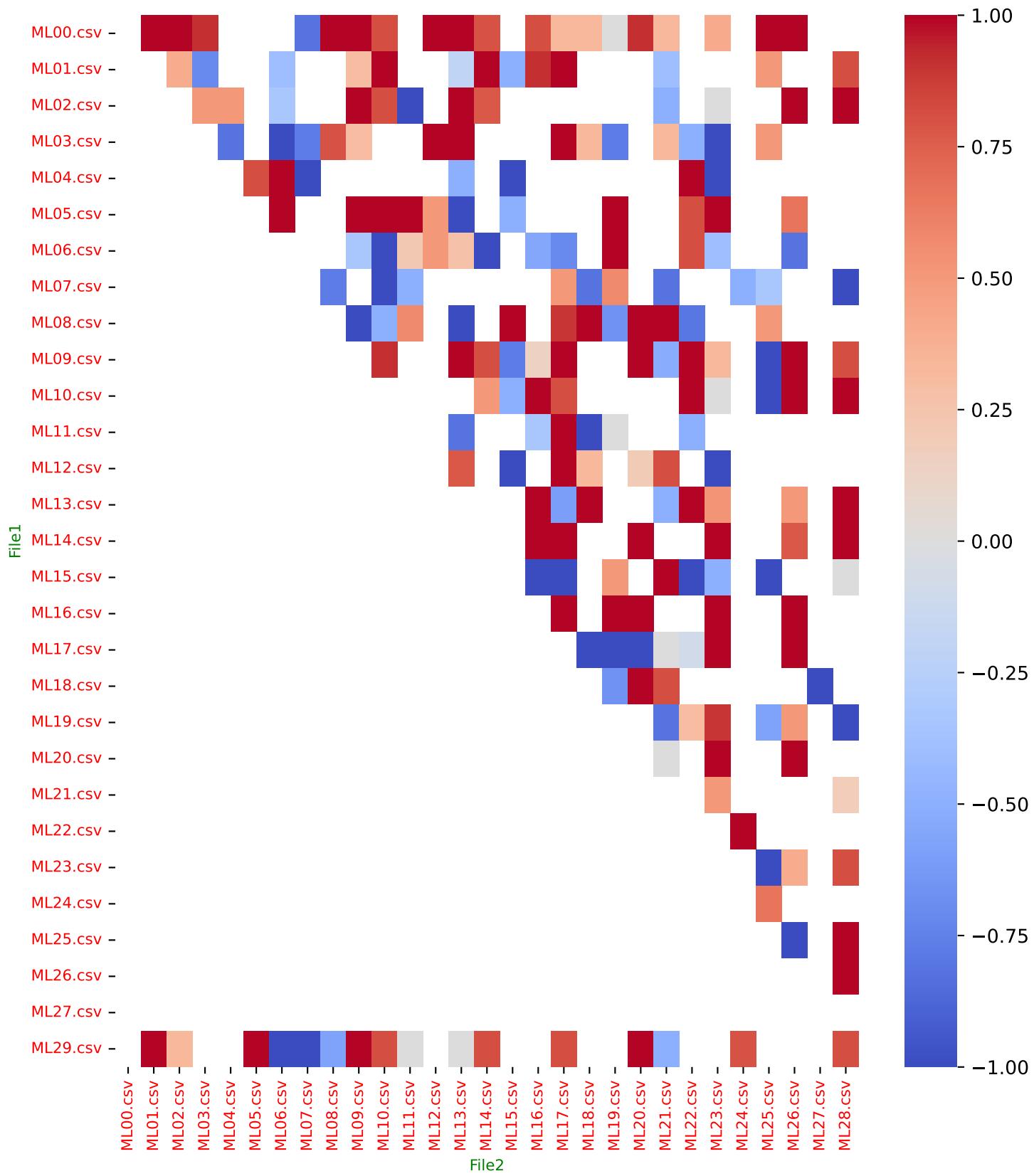


Implementation Number 127

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 128

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 20
Number of Files: 30

Implementation Number 128

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 128

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 128

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
066.67 %	BAKON_478	00, 01, 02, 03, 07, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 29
030.00 %	BAKON_571	00, 01, 07, 08, 09, 13, 17, 25, 26
023.33 %	BAKON_126	00, 02, 03, 06, 09, 11, 12
036.67 %	BAKON_276	00, 09, 11, 12, 15, 18, 21, 24, 25, 26, 28
060.00 %	BAKON_130	00, 02, 03, 04, 05, 06, 07, 09, 11, 12, 14, 17, 18, 23, 24, 25, 27, 28
020.00 %	BAKON_125	00, 11, 17, 23, 24, 25
080.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22, 23, 26, 27, 29
013.33 %	BAKON_273	00, 08, 10, 22
046.67 %	BAKON_133	00, 05, 08, 09, 12, 14, 18, 19, 20, 23, 24, 25, 28, 29
023.33 %	BAKON_470	00, 02, 07, 10, 16, 22, 29
013.33 %	BAKON_059	00, 14, 16, 28
056.67 %	BAKON_085	00, 02, 03, 04, 07, 09, 10, 12, 13, 14, 17, 19, 20, 23, 24, 26, 28
013.33 %	BAKON_190	00, 03, 12, 14
033.33 %	BAKON_199	00, 10, 11, 13, 15, 17, 19, 24, 28, 29
010.00 %	BAKON_035	00, 04, 05
050.00 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 16, 17, 18, 20, 23, 24, 27
010.00 %	BAKON_140	00, 07, 09
003.33 %	BAKON_032	00
010.00 %	BAKON_191	00, 12, 19
003.33 %	BAKON_037	00
040.00 %	BAKON_212	01, 04, 08, 09, 13, 18, 19, 20, 21, 22, 23, 28
030.00 %	BAKON_373	01, 02, 06, 14, 15, 19, 21, 25, 27

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Global node Presence Mean (Weighted): 32.82%

Implementation Number 128

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.0811	0.1500	0.0000	0.3333
ML29.csv	ML01.csv	0.1765	0.3000	0.9831	0.0962
ML29.csv	ML02.csv	0.1765	0.3000	0.0000	0.4811
ML29.csv	ML03.csv	0.1111	0.2000	0.0011	0.7746
ML29.csv	ML04.csv	0.1429	0.2500	0.0000	-1.0000
ML29.csv	ML05.csv	0.1111	0.2000	0.0000	-0.1826
ML29.csv	ML06.csv	0.2121	0.3500	0.1745	-0.4384
ML29.csv	ML07.csv	0.1111	0.2000	1.0000	-0.2582
ML29.csv	ML08.csv	0.2903	0.4500	0.0000	-0.1853
ML29.csv	ML09.csv	0.2121	0.3500	0.0000	-0.1260
ML29.csv	ML10.csv	0.2500	0.4000	0.0000	0.2275
ML29.csv	ML11.csv	0.2903	0.4500	0.0000	0.5769
ML29.csv	ML12.csv	0.1111	0.2000	0.0000	-0.4000
ML29.csv	ML13.csv	0.1765	0.3000	0.0000	0.4811
ML29.csv	ML14.csv	0.1111	0.2000	0.0000	0.9129
ML29.csv	ML15.csv	0.1111	0.2000	0.0000	0.2357
ML29.csv	ML16.csv	0.2121	0.3500	0.0123	0.0556
ML29.csv	ML17.csv	0.1765	0.3000	0.0000	0.1601
ML29.csv	ML18.csv	0.1765	0.3000	0.0000	0.2010
ML29.csv	ML19.csv	0.1429	0.2500	0.0000	-0.5040
ML29.csv	ML20.csv	0.0811	0.1500	0.0000	1.0000
ML29.csv	ML21.csv	0.1111	0.2000	0.0003	0.0000
ML29.csv	ML22.csv	0.2121	0.3500	0.0000	-0.6917
ML29.csv	ML23.csv	0.2500	0.4000	0.0000	-0.1396
ML29.csv	ML24.csv	0.1429	0.2500	0.8320	0.8018
ML29.csv	ML25.csv	0.1111	0.2000	0.0000	0.5164
ML29.csv	ML26.csv	0.1111	0.2000	0.0000	0.1826
ML29.csv	ML27.csv	0.2121	0.3500	0.0040	0.1633
ML29.csv	ML28.csv	0.1429	0.2500	0.1745	0.7143
ML00.csv	ML01.csv	0.2500	0.4000	0.0000	0.1334
ML00.csv	ML02.csv	0.1429	0.2500	0.0000	0.9487
ML00.csv	ML03.csv	0.1765	0.3000	0.0000	0.6405
ML00.csv	ML04.csv	0.1429	0.2500	0.0011	-0.6667
ML00.csv	ML05.csv	0.1429	0.2500	0.0000	0.5303
ML00.csv	ML06.csv	0.2121	0.3500	0.0000	-0.0937

Implementation Number 128

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.2903	0.4500	0.0000	0.5013
ML00.csv	ML08.csv	0.1429	0.2500	0.0811	0.8889
ML00.csv	ML09.csv	0.2121	0.3500	0.0000	0.8333
ML00.csv	ML10.csv	0.1429	0.2500	0.0000	0.4444
ML00.csv	ML11.csv	0.1111	0.2000	0.0811	0.0000
ML00.csv	ML12.csv	0.1765	0.3000	0.0040	0.8807
ML00.csv	ML13.csv	0.1429	0.2500	0.0001	0.3536
ML00.csv	ML14.csv	0.2500	0.4000	0.0040	0.7233
ML00.csv	ML15.csv	0.1429	0.2500	0.0811	-0.5040
ML00.csv	ML16.csv	0.2121	0.3500	0.0000	0.6860
ML00.csv	ML17.csv	0.2121	0.3500	0.5713	0.6396
ML00.csv	ML18.csv	0.1765	0.3000	0.0000	0.5401
ML00.csv	ML19.csv	0.2121	0.3500	0.3356	0.1768
ML00.csv	ML20.csv	0.2121	0.3500	0.0335	0.7059
ML00.csv	ML21.csv	0.1765	0.3000	0.0000	0.6236

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1831

Fleiss' Kappa Agreement Index (κ_F): 0.1618

Mean KS Distance Between Pairs (D): 0.8354

Mean p-value for KS Test Pairs: 0.0711

Mean KS Distance for Multiple Samples (D_{mult}): 0.5996

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0011

Mean Kendall Tau ($\bar{\tau}$): 0.1753

Median Kendall Tau ($\tilde{\tau}$): 0.2010

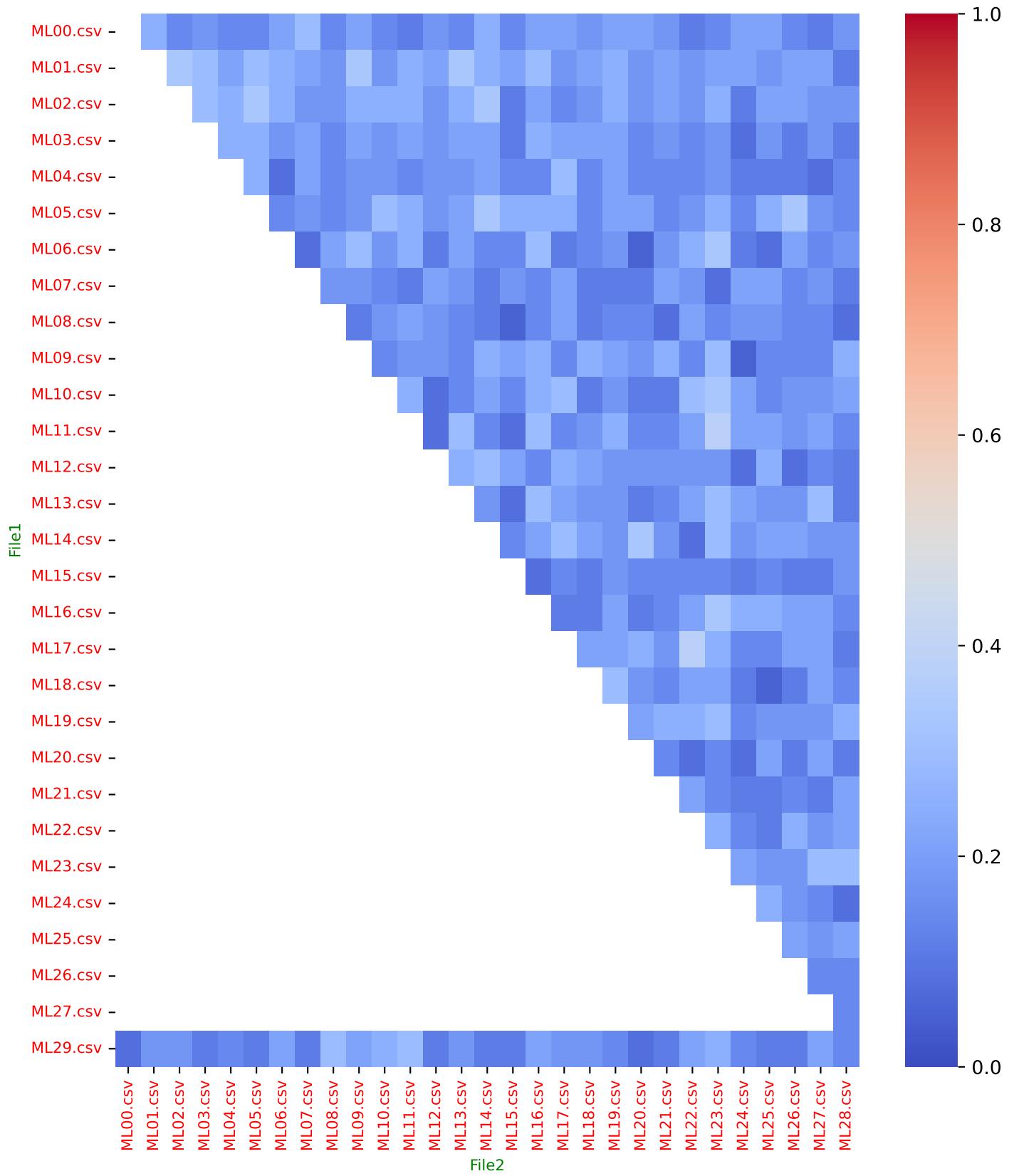
Percentage of Pairs with $\tau > 0$: 60.69%

Implementation Number 128

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

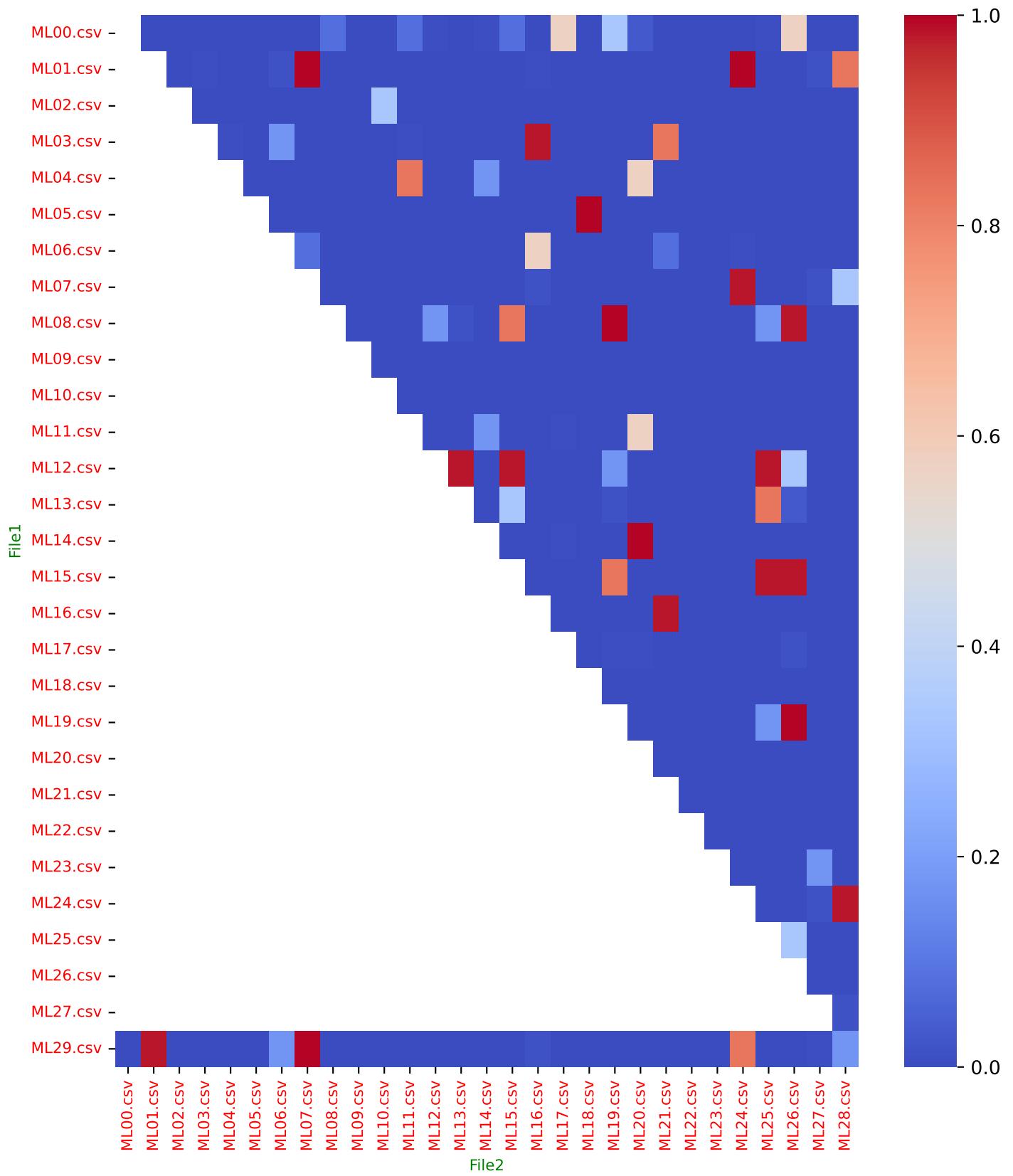


Implementation Number 128

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

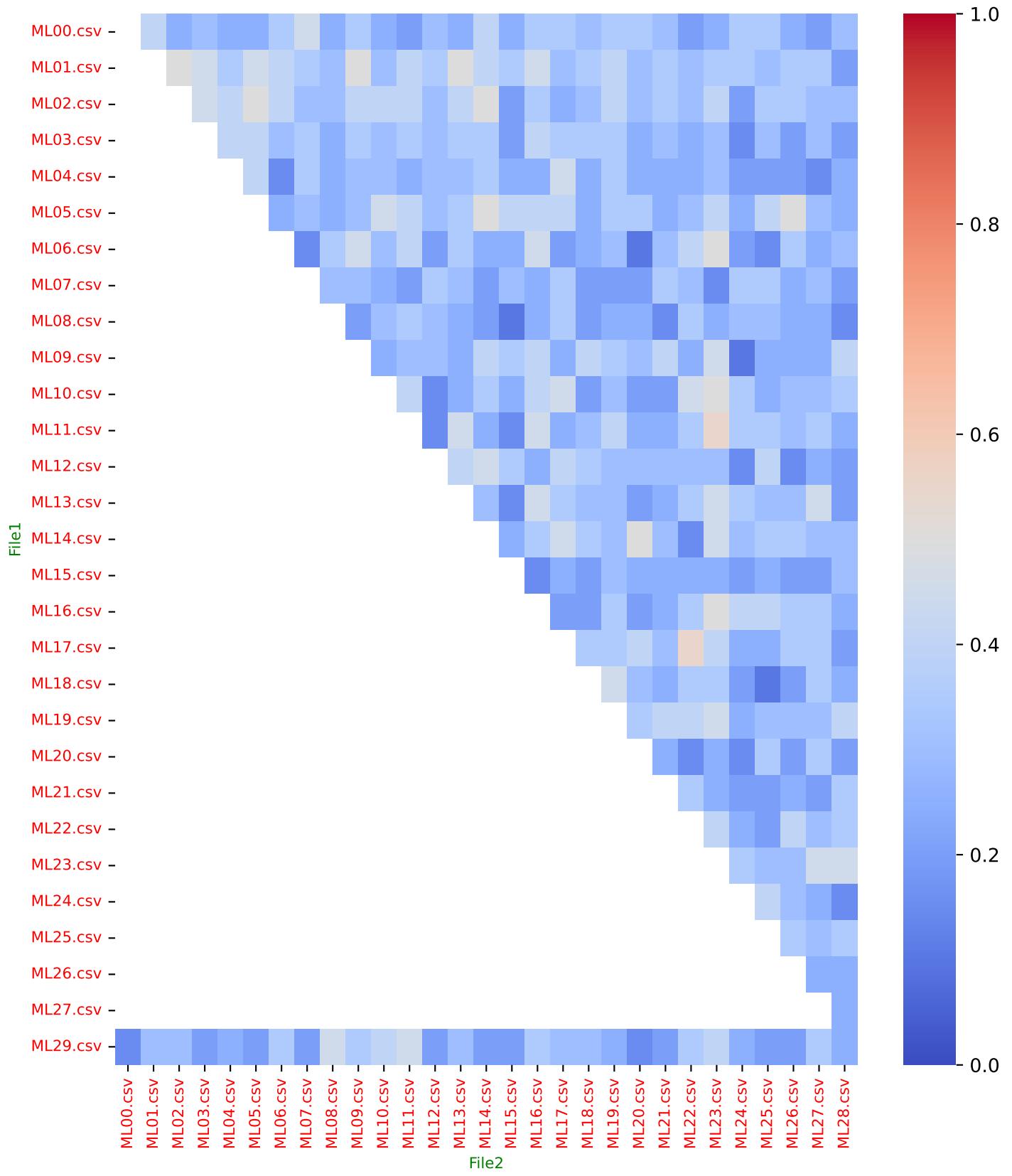


Implementation Number 128

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

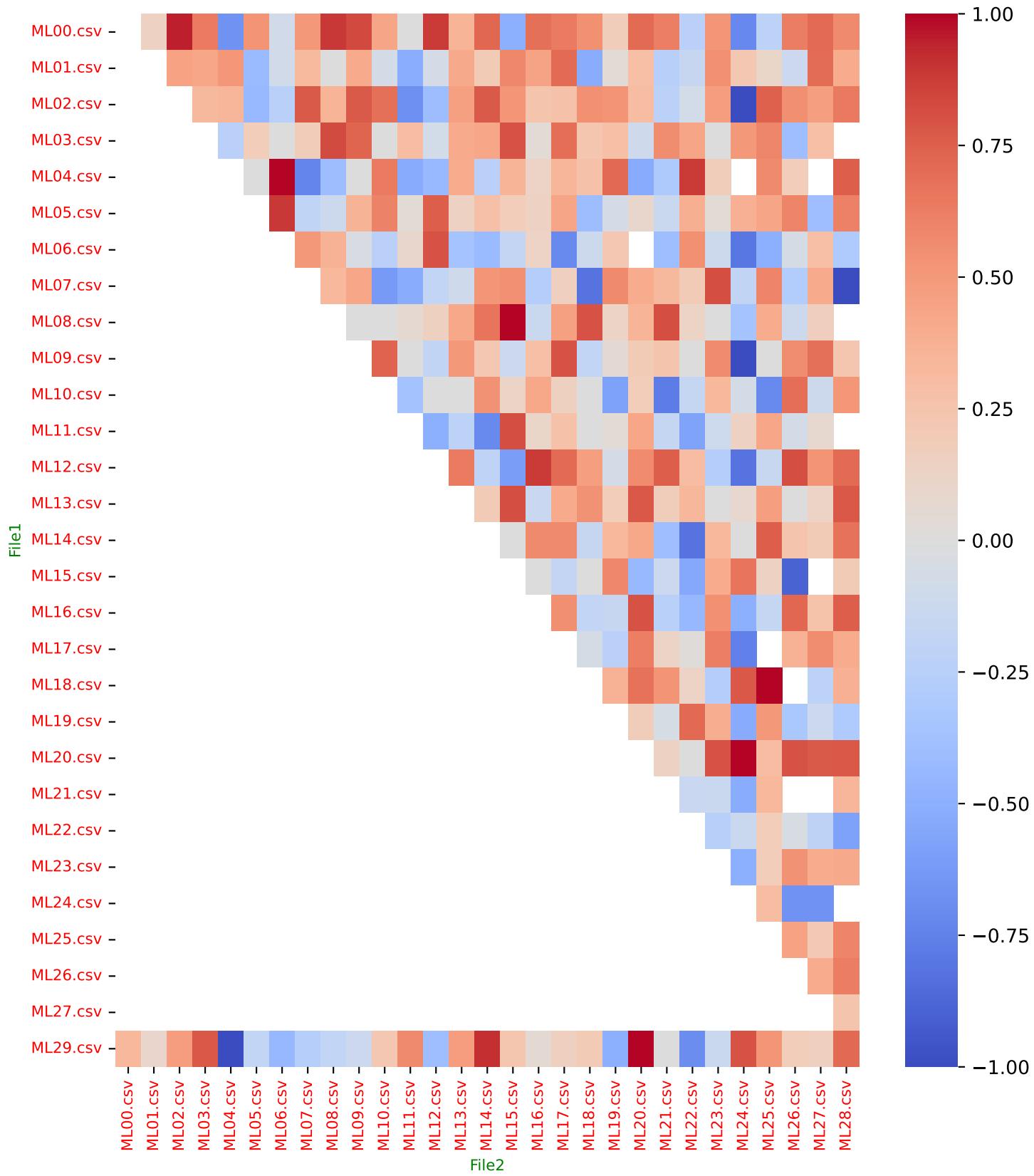


Implementation Number 128

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 129

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 30
Number of Files: 30

Implementation Number 129

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 129

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 129

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
073.33 % 27, 28, 29	BAKON_478	00, 01, 02, 03, 04, 07, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25,
036.67 %	BAKON_571	00, 01, 07, 08, 09, 13, 14, 17, 22, 25, 26
040.00 %	BAKON_126	00, 02, 03, 04, 06, 07, 09, 11, 12, 15, 16, 27
050.00 %	BAKON_276	00, 01, 05, 07, 08, 09, 11, 12, 15, 18, 21, 24, 25, 26, 28
066.67 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 09, 11, 12, 14, 15, 17, 18, 23, 24, 25, 27, 28
030.00 %	BAKON_125	00, 04, 11, 12, 17, 19, 23, 24, 25
083.33 % 21, 22, 23, 26, 27, 29	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20,
023.33 %	BAKON_273	00, 08, 10, 12, 14, 22, 23
060.00 %	BAKON_133	00, 01, 02, 05, 08, 09, 12, 14, 15, 17, 18, 19, 20, 23, 24, 25, 28, 29
033.33 %	BAKON_470	00, 01, 02, 07, 10, 16, 17, 21, 22, 29
016.67 %	BAKON_059	00, 14, 16, 22, 28
066.67 %	BAKON_085	00, 02, 03, 04, 07, 09, 10, 11, 12, 13, 14, 17, 19, 20, 21, 22, 23, 24, 26, 28
033.33 %	BAKON_190	00, 01, 03, 06, 12, 14, 19, 20, 26, 29
036.67 %	BAKON_199	00, 10, 11, 13, 15, 17, 19, 23, 24, 28, 29
020.00 %	BAKON_035	00, 03, 04, 05, 12, 22
060.00 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 13, 14, 16, 17, 18, 20, 23, 24, 27, 29
013.33 %	BAKON_140	00, 07, 09, 13
010.00 %	BAKON_032	00, 05, 17
013.33 %	BAKON_191	00, 06, 12, 19
006.67 %	BAKON_037	00, 15

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Global node Presence Mean (Weighted): 37.27%

Implementation Number 129

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	K_S_p	Kendall
ML29.csv	ML00.csv	0.2245	0.3667	0.0000	0.1221
ML29.csv	ML01.csv	0.2000	0.3333	0.5941	0.2390
ML29.csv	ML02.csv	0.2245	0.3667	0.0000	0.4534
ML29.csv	ML03.csv	0.1538	0.2667	0.0009	-0.3185
ML29.csv	ML04.csv	0.1765	0.3000	0.0000	-0.0818
ML29.csv	ML05.csv	0.2500	0.4000	0.0000	0.1489
ML29.csv	ML06.csv	0.2000	0.3333	0.3929	-0.5067
ML29.csv	ML07.csv	0.1538	0.2667	0.3929	0.4187
ML29.csv	ML08.csv	0.1765	0.3000	0.0000	-0.1853
ML29.csv	ML09.csv	0.2000	0.3333	0.0000	0.0942
ML29.csv	ML10.csv	0.2245	0.3667	0.0000	0.1522
ML29.csv	ML11.csv	0.3043	0.4667	0.0000	0.4783
ML29.csv	ML12.csv	0.2245	0.3667	0.0000	-0.2957
ML29.csv	ML13.csv	0.2245	0.3667	0.0000	0.0472
ML29.csv	ML14.csv	0.2766	0.4333	0.0000	0.2660
ML29.csv	ML15.csv	0.2000	0.3333	0.0000	0.0574
ML29.csv	ML16.csv	0.2766	0.4333	0.0009	-0.0170
ML29.csv	ML17.csv	0.1765	0.3000	0.0000	0.4234
ML29.csv	ML18.csv	0.1765	0.3000	0.0000	0.0456
ML29.csv	ML19.csv	0.1765	0.3000	0.0000	0.0000
ML29.csv	ML20.csv	0.2000	0.3333	0.0000	0.3287
ML29.csv	ML21.csv	0.2500	0.4000	0.0000	0.0000
ML29.csv	ML22.csv	0.2766	0.4333	0.0000	-0.0932
ML29.csv	ML23.csv	0.2766	0.4333	0.0000	0.1855
ML29.csv	ML24.csv	0.1538	0.2667	0.3929	0.2227
ML29.csv	ML25.csv	0.2000	0.3333	0.0000	0.3233
ML29.csv	ML26.csv	0.1765	0.3000	0.0000	-0.1437
ML29.csv	ML27.csv	0.2245	0.3667	0.0000	0.5413
ML29.csv	ML28.csv	0.1765	0.3000	0.1350	0.5808
ML00.csv	ML01.csv	0.3043	0.4667	0.0000	0.3000
ML00.csv	ML02.csv	0.2766	0.4333	0.0000	0.3622
ML00.csv	ML03.csv	0.2000	0.3333	0.0000	0.2308
ML00.csv	ML04.csv	0.2000	0.3333	0.0001	0.2100
ML00.csv	ML05.csv	0.1765	0.3000	0.0000	0.0000
ML00.csv	ML06.csv	0.2500	0.4000	0.0000	-0.2396

Implementation Number 129

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.3333	0.5000	0.0000	0.1326
ML00.csv	ML08.csv	0.1765	0.3000	0.0065	0.4457
ML00.csv	ML09.csv	0.2245	0.3667	0.0000	0.6979
ML00.csv	ML10.csv	0.2000	0.3333	0.0000	0.3469
ML00.csv	ML11.csv	0.2000	0.3333	0.0001	-0.6275
ML00.csv	ML12.csv	0.2000	0.3333	0.0000	0.4579
ML00.csv	ML13.csv	0.2500	0.4000	0.0000	0.1495
ML00.csv	ML14.csv	0.3043	0.4667	0.0346	0.5598
ML00.csv	ML15.csv	0.1538	0.2667	0.0003	-0.5262
ML00.csv	ML16.csv	0.3043	0.4667	0.0000	0.2777
ML00.csv	ML17.csv	0.3333	0.5000	0.8080	0.1501
ML00.csv	ML18.csv	0.2000	0.3333	0.0000	0.6149
ML00.csv	ML19.csv	0.2500	0.4000	0.0065	0.3619
ML00.csv	ML20.csv	0.2766	0.4333	0.0156	0.3150
ML00.csv	ML21.csv	0.2766	0.4333	0.0000	0.1013

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2153

Fleiss' Kappa Agreement Index (κ_F): 0.1928

Mean KS Distance Between Pairs (D): 0.8237

Mean p-value for KS Test Pairs: 0.0602

Mean KS Distance for Multiple Samples (D_{mult}): 0.5962

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0001

Mean Kendall Tau ($\bar{\tau}$): 0.1845

Median Kendall Tau ($\tilde{\tau}$): 0.2031

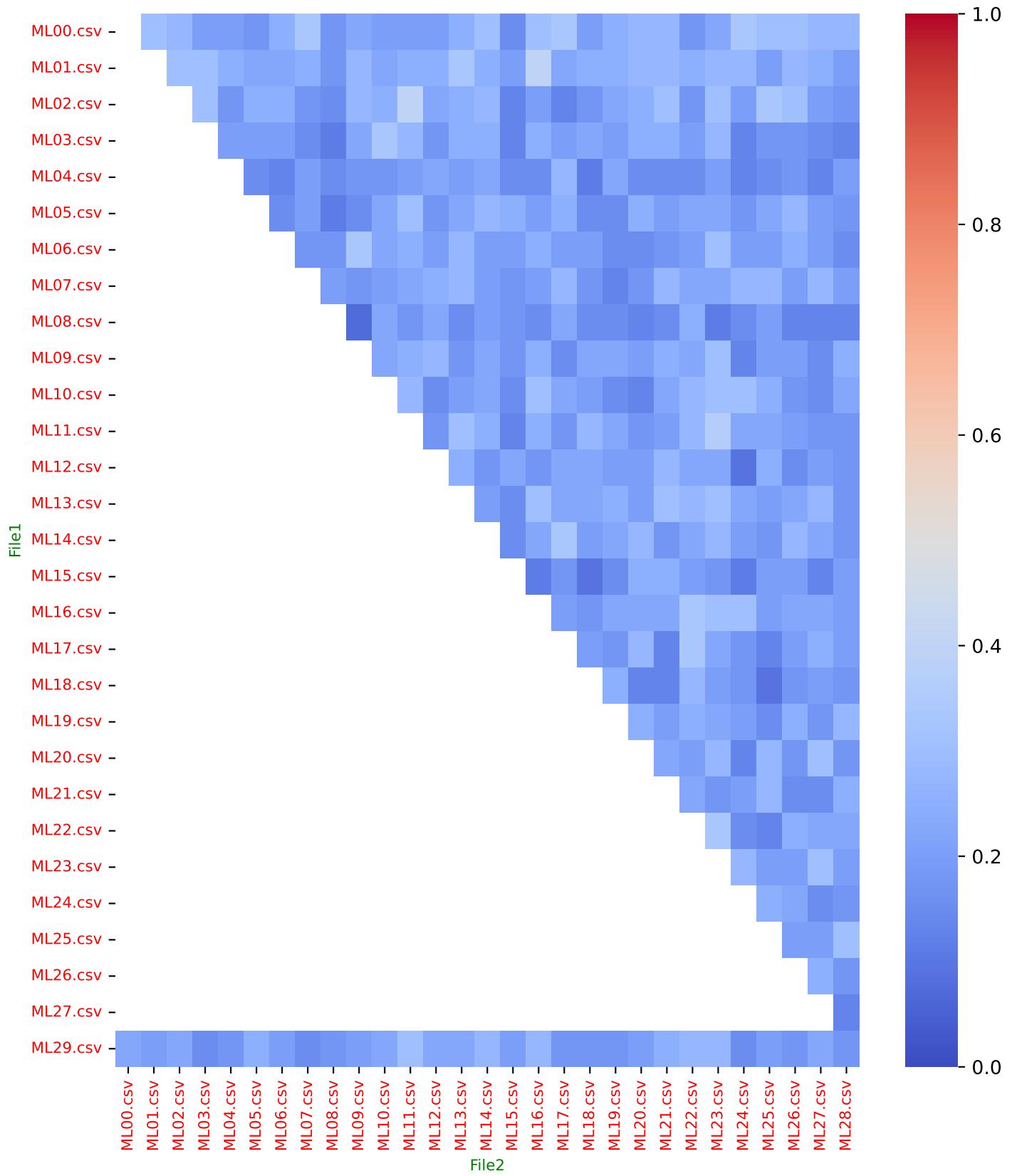
Percentage of Pairs with $\tau > 0$: 71.95%

Implementation Number 129

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

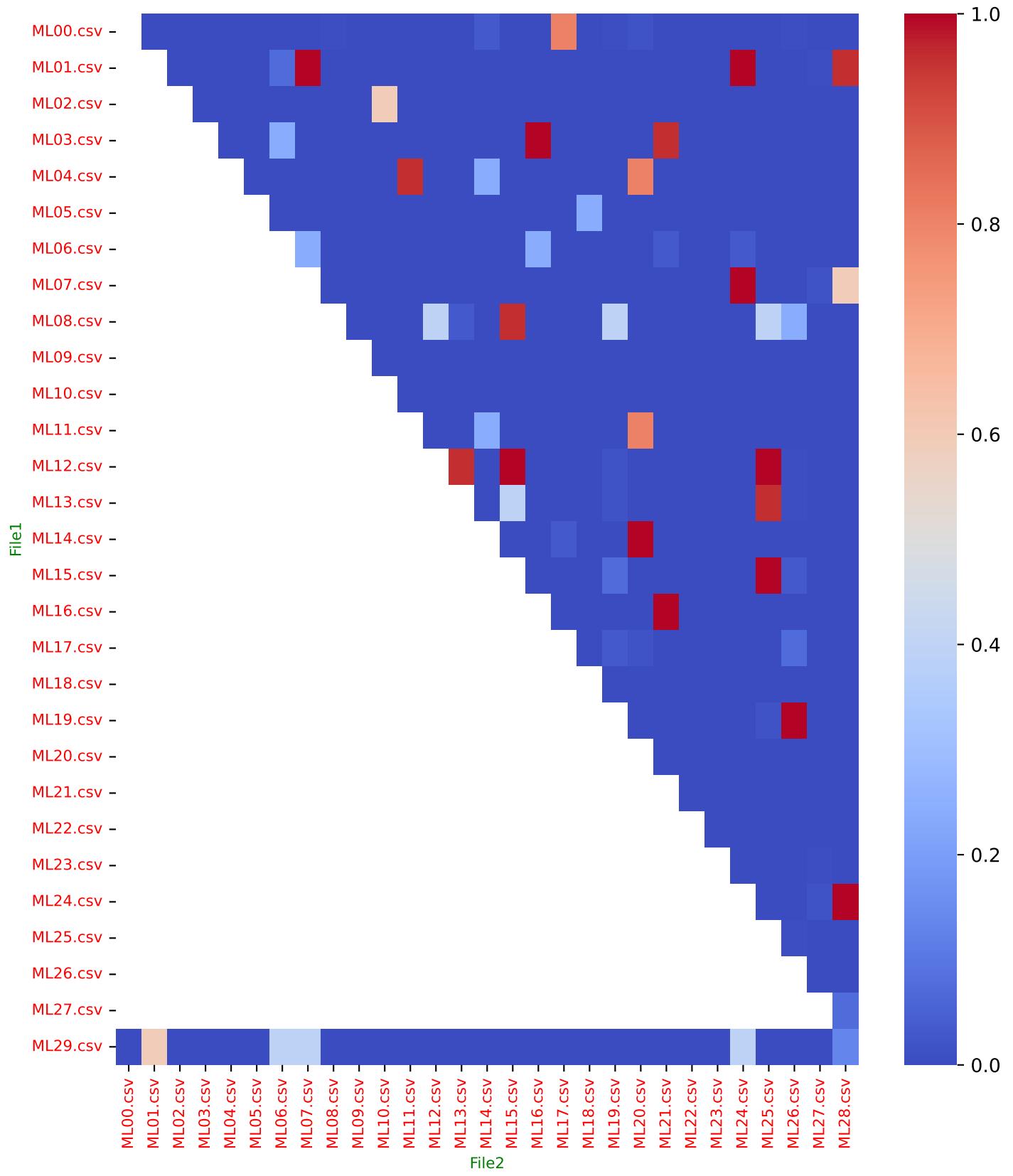


Implementation Number 129

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

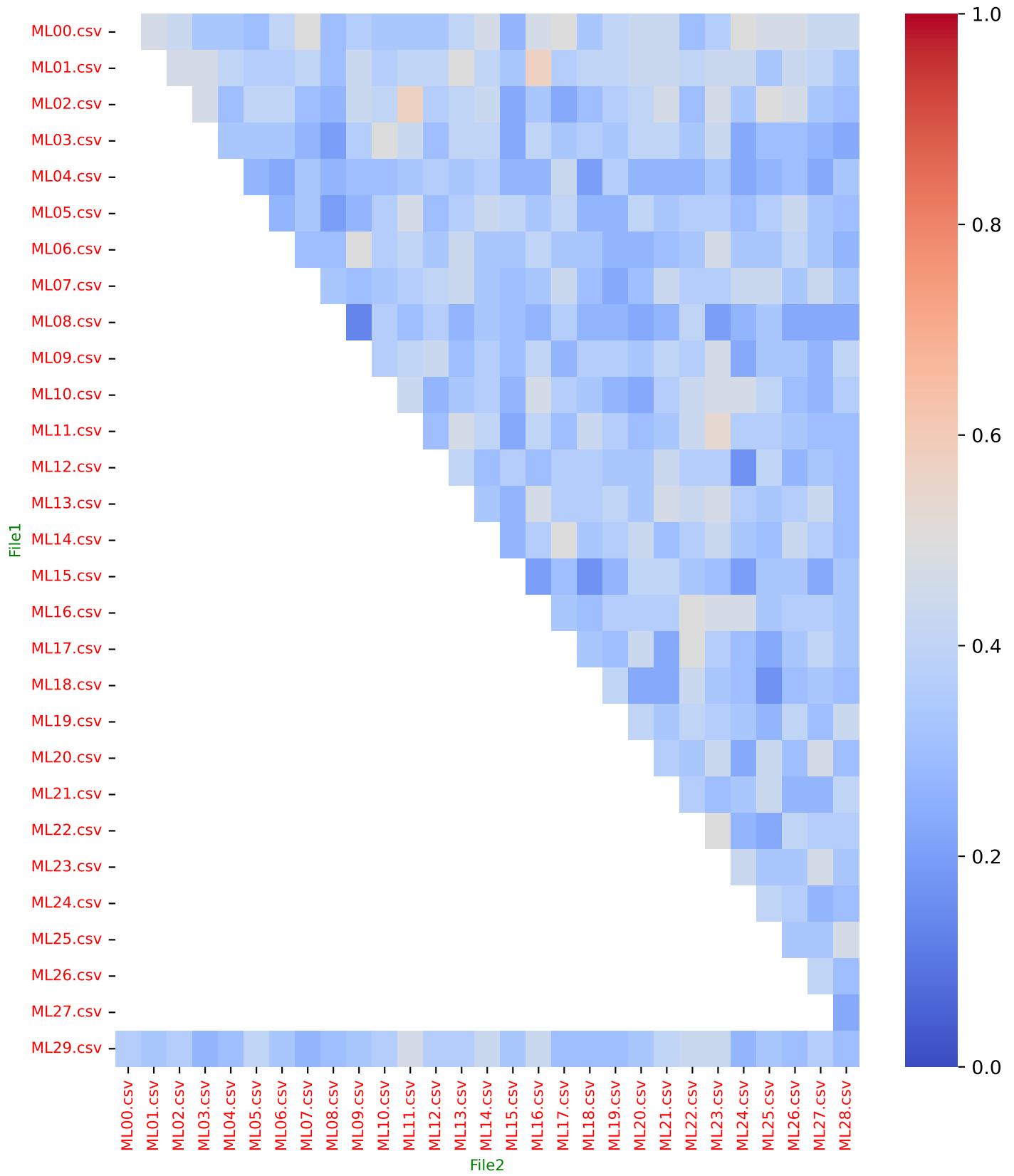


Implementation Number 129

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

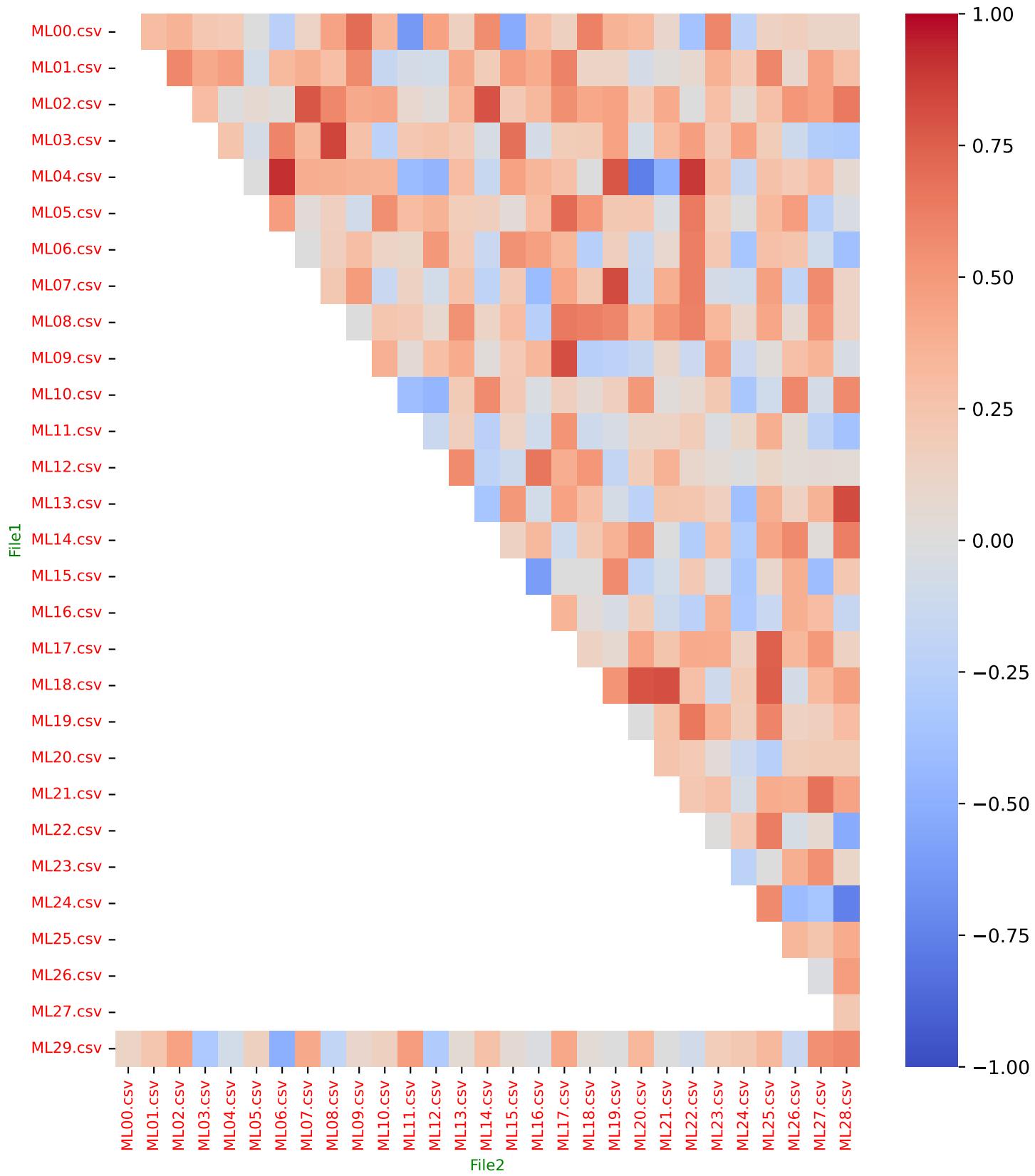


Implementation Number 129

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 130

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 50
Number of Files: 30

Implementation Number 130

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 130

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 130

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
076.67 %	BAKON_478	00, 01, 02, 03, 04, 05, 07, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29
050.00 %	BAKON_571	00, 01, 06, 07, 08, 09, 11, 13, 14, 17, 18, 22, 25, 26, 28
053.33 %	BAKON_126	00, 02, 03, 04, 06, 07, 09, 11, 12, 15, 16, 19, 20, 24, 27, 29
066.67 %	BAKON_276	00, 01, 02, 05, 07, 08, 09, 10, 11, 12, 15, 16, 17, 18, 19, 21, 24, 25, 26, 28
076.67 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 14, 15, 17, 18, 20, 23, 24, 25, 27, 28, 29
040.00 %	BAKON_125	00, 04, 11, 12, 14, 17, 18, 19, 23, 24, 25, 27
083.33 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 29
050.00 %	BAKON_273	00, 04, 08, 10, 11, 12, 13, 14, 16, 18, 20, 22, 23, 24, 28
076.67 %	BAKON_133	00, 01, 02, 03, 05, 06, 07, 08, 09, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29
060.00 %	BAKON_470	00, 01, 02, 03, 05, 07, 08, 10, 15, 16, 17, 19, 21, 22, 23, 25, 27, 29
030.00 %	BAKON_059	00, 02, 08, 14, 16, 19, 22, 26, 28
086.67 %	BAKON_085	00, 01, 02, 03, 04, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29
056.67 %	BAKON_190	00, 01, 02, 03, 05, 06, 07, 09, 12, 14, 15, 17, 19, 20, 25, 26, 29
066.67 %	BAKON_199	00, 02, 03, 06, 07, 10, 11, 12, 13, 14, 15, 16, 17, 19, 23, 24, 25, 27, 28, 29
033.33 %	BAKON_035	00, 03, 04, 05, 07, 11, 12, 18, 22, 28
070.00 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 27, 29
030.00 %	BAKON_140	00, 04, 07, 09, 10, 13, 18, 23, 25
023.33 %	BAKON_032	00, 04, 05, 10, 11, 12, 17
026.67 %	BAKON_191	00, 06, 08, 09, 12, 15, 17, 19

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Global node Presence Mean (Weighted): 46.94%

Implementation Number 130

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.2821	0.4400	0.0000	0.2753
ML29.csv	ML01.csv	0.3514	0.5200	0.8693	0.2005
ML29.csv	ML02.csv	0.3158	0.4800	0.0000	0.2886
ML29.csv	ML03.csv	0.2500	0.4000	0.0002	0.0674
ML29.csv	ML04.csv	0.3333	0.5000	0.0000	0.1852
ML29.csv	ML05.csv	0.2987	0.4600	0.0000	0.0509
ML29.csv	ML06.csv	0.2987	0.4600	0.7166	0.1203
ML29.csv	ML07.csv	0.2500	0.4000	0.3959	0.1789
ML29.csv	ML08.csv	0.2658	0.4200	0.0000	0.4405
ML29.csv	ML09.csv	0.2658	0.4200	0.0000	0.1274
ML29.csv	ML10.csv	0.3333	0.5000	0.0000	0.2000
ML29.csv	ML11.csv	0.3514	0.5200	0.0000	0.3334
ML29.csv	ML12.csv	0.2821	0.4400	0.0000	-0.0118
ML29.csv	ML13.csv	0.3514	0.5200	0.0000	0.1890
ML29.csv	ML14.csv	0.2821	0.4400	0.0000	0.1388
ML29.csv	ML15.csv	0.2658	0.4200	0.0000	-0.1904
ML29.csv	ML16.csv	0.3158	0.4800	0.0002	0.1429
ML29.csv	ML17.csv	0.2821	0.4400	0.0000	0.3868
ML29.csv	ML18.csv	0.2500	0.4000	0.0000	-0.0798
ML29.csv	ML19.csv	0.2821	0.4400	0.0000	-0.0226
ML29.csv	ML20.csv	0.2658	0.4200	0.0000	0.0803
ML29.csv	ML21.csv	0.2987	0.4600	0.0006	0.3181
ML29.csv	ML22.csv	0.3333	0.5000	0.0000	0.3065
ML29.csv	ML23.csv	0.2987	0.4600	0.0000	0.0955
ML29.csv	ML24.csv	0.2658	0.4200	0.7166	0.2351
ML29.csv	ML25.csv	0.2658	0.4200	0.0000	0.4378
ML29.csv	ML26.csv	0.2500	0.4000	0.0000	0.1289
ML29.csv	ML27.csv	0.2500	0.4000	0.0000	0.2995
ML29.csv	ML28.csv	0.3514	0.5200	0.2719	0.0420
ML00.csv	ML01.csv	0.4286	0.6000	0.0000	0.2718
ML00.csv	ML02.csv	0.3158	0.4800	0.0000	0.3575
ML00.csv	ML03.csv	0.1905	0.3200	0.0000	0.3350
ML00.csv	ML04.csv	0.3514	0.5200	0.0028	0.0617
ML00.csv	ML05.csv	0.3333	0.5000	0.0000	-0.0299
ML00.csv	ML06.csv	0.2987	0.4600	0.0000	0.1730

Implementation Number 130

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.3514	0.5200	0.0000	0.3226
ML00.csv	ML08.csv	0.3158	0.4800	0.0000	0.2347
ML00.csv	ML09.csv	0.2821	0.4400	0.0000	0.1789
ML00.csv	ML10.csv	0.3158	0.4800	0.0000	0.1917
ML00.csv	ML11.csv	0.3158	0.4800	0.0028	0.2648
ML00.csv	ML12.csv	0.2658	0.4200	0.0000	-0.2242
ML00.csv	ML13.csv	0.3514	0.5200	0.0000	0.1351
ML00.csv	ML14.csv	0.3333	0.5000	0.0678	0.4615
ML00.csv	ML15.csv	0.2987	0.4600	0.0000	0.0528
ML00.csv	ML16.csv	0.2987	0.4600	0.0000	0.3093
ML00.csv	ML17.csv	0.3699	0.5400	0.9667	0.2781
ML00.csv	ML18.csv	0.2987	0.4600	0.0000	0.2915
ML00.csv	ML19.csv	0.3514	0.5200	0.0000	0.3821
ML00.csv	ML20.csv	0.3699	0.5400	0.0006	0.4591
ML00.csv	ML21.csv	0.3514	0.5200	0.0000	0.2262

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2927

Fleiss' Kappa Agreement Index (κ_F): 0.2631

Mean KS Distance Between Pairs (D): 0.7993

Mean p-value for KS Test Pairs: 0.0611

Mean KS Distance for Multiple Samples (D_{mult}): 0.5805

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000

Mean Kendall Tau ($\bar{\tau}$): 0.1969

Median Kendall Tau ($\tilde{\tau}$): 0.1965

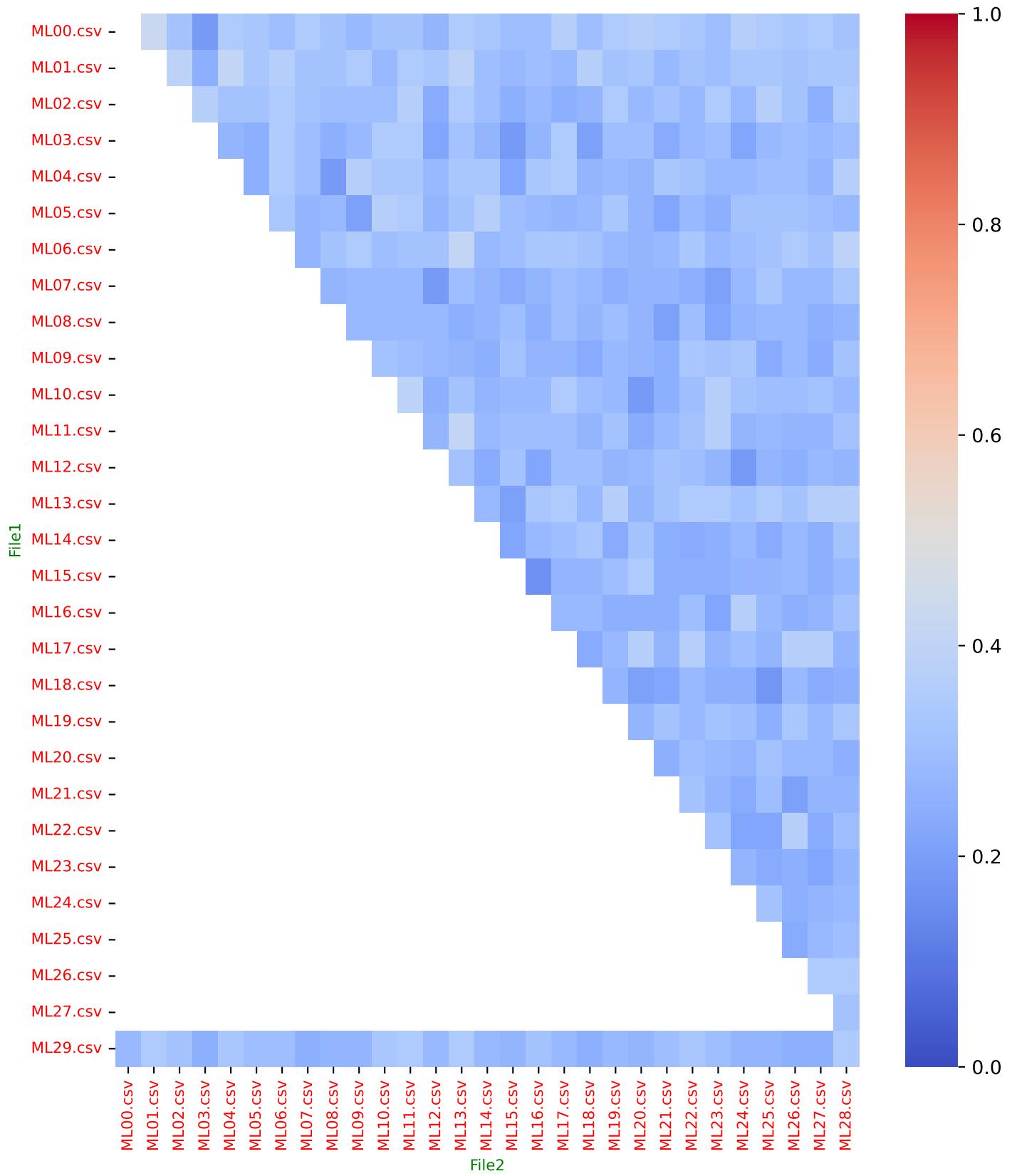
Percentage of Pairs with $\tau > 0$: 85.52%

Implementation Number 130

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

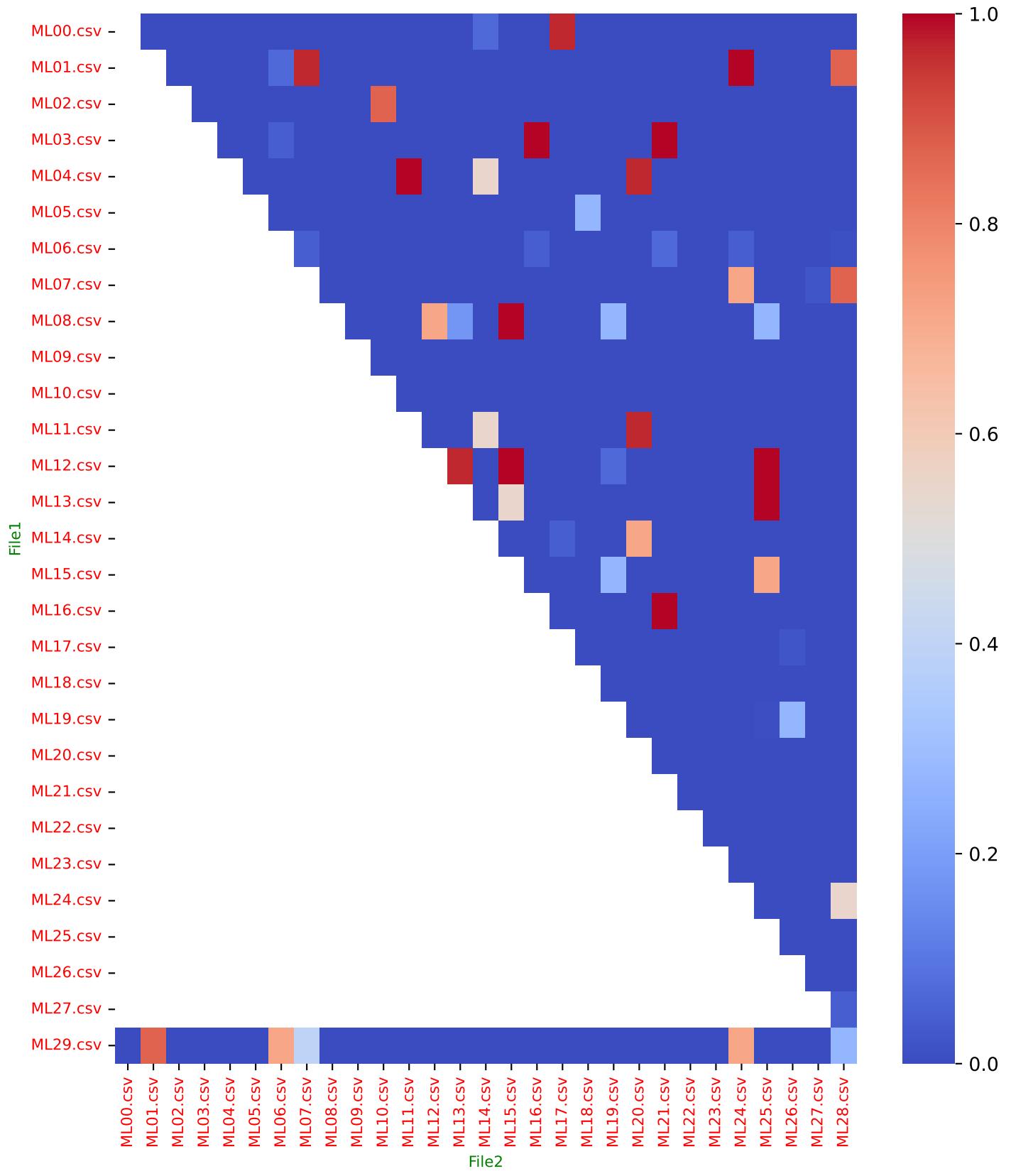


Implementation Number 130

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

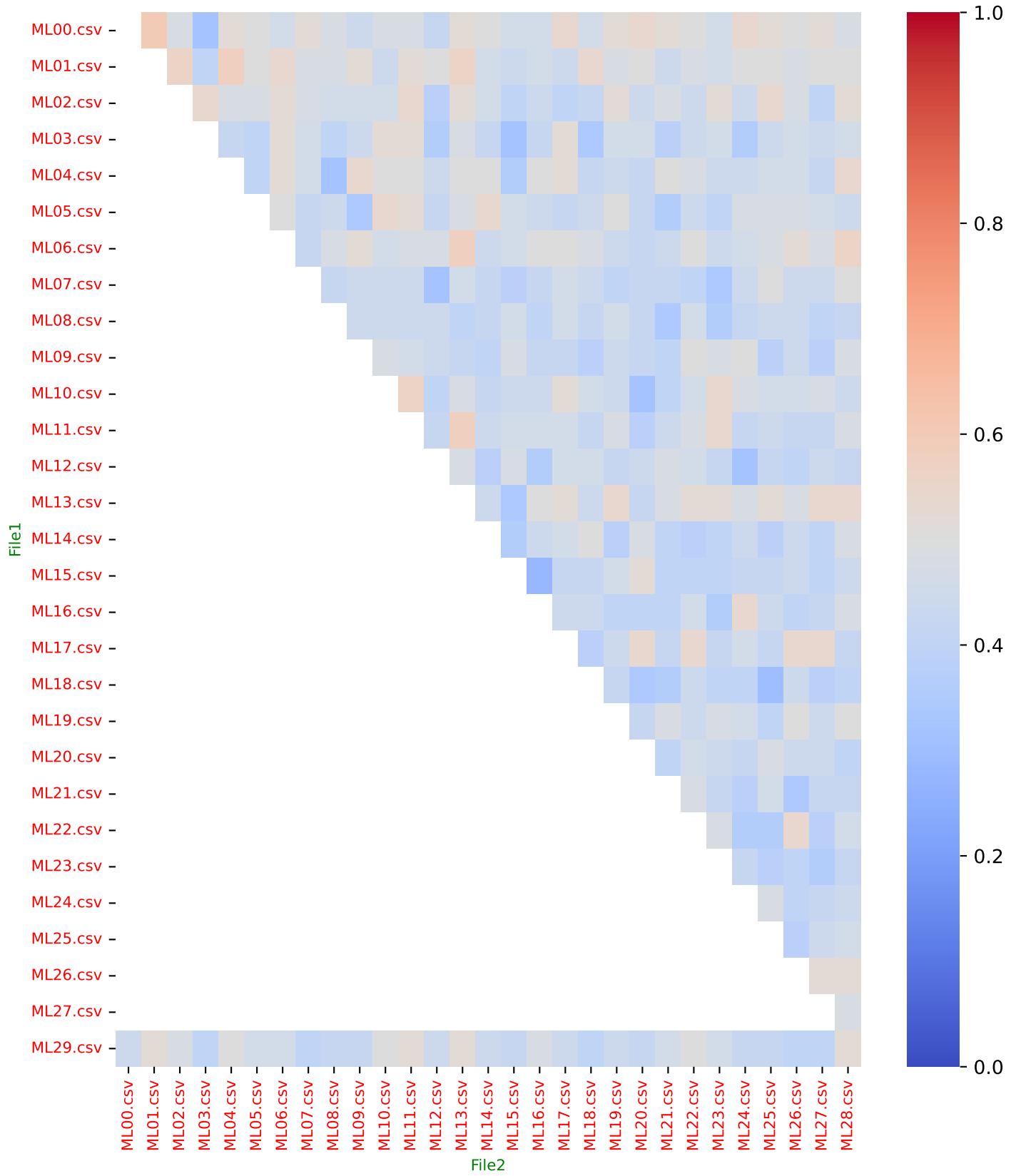


Implementation Number 130

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

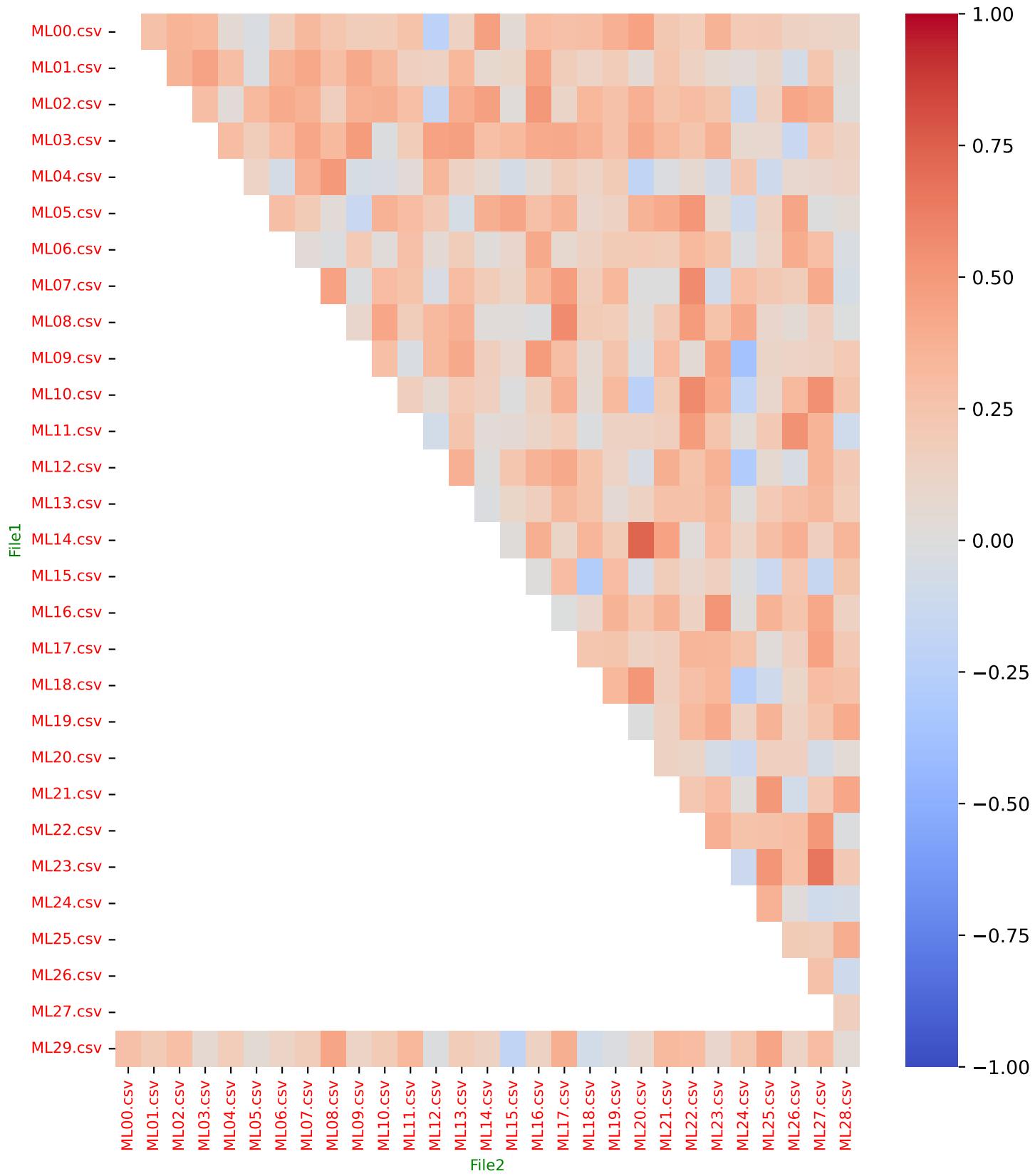


Implementation Number 130

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 131

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 100
Number of Files: 30

Implementation Number 131

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 131

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 131

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
086.67 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 10, 11, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
076.67 %	BAKON_571	00, 01, 02, 03, 05, 06, 07, 08, 09, 11, 12, 13, 14, 16, 17, 18, 21, 22, 24, 25, 26, 28, 29
093.33 %	BAKON_126	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 27, 28, 29
093.33 %	BAKON_276	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29
093.33 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 23, 24, 25, 26, 27, 28, 29
070.00 %	BAKON_125	00, 04, 06, 07, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 28, 29
083.33 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 29
080.00 %	BAKON_273	00, 01, 02, 04, 06, 08, 09, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 23, 24, 25, 26, 28, 29
086.67 %	BAKON_133	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29
090.00 %	BAKON_470	00, 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29
063.33 %	BAKON_059	00, 02, 05, 07, 08, 10, 12, 13, 14, 15, 16, 19, 22, 24, 25, 26, 27, 28, 29
096.67 %	BAKON_085	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
080.00 %	BAKON_190	00, 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 19, 20, 22, 24, 25, 26, 27, 29
086.67 %	BAKON_199	00, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29
070.00 %	BAKON_035	00, 01, 02, 03, 04, 05, 07, 08, 10, 11, 12, 16, 17, 18, 19, 20, 22, 23, 25, 28, 29
073.33 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 29

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Global node Presence Mean (Weighted): 58.73%

Implementation Number 131

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.3333	0.5000	0.0000	0.2200
ML29.csv	ML01.csv	0.3986	0.5700	0.0156	0.1981
ML29.csv	ML02.csv	0.3793	0.5500	0.0000	0.1910
ML29.csv	ML03.csv	0.3514	0.5200	0.0099	0.3212
ML29.csv	ML04.csv	0.3986	0.5700	0.0000	0.1121
ML29.csv	ML05.csv	0.3699	0.5400	0.0000	0.1555
ML29.csv	ML06.csv	0.3793	0.5500	0.9084	0.2724
ML29.csv	ML07.csv	0.3793	0.5500	0.0241	0.1476
ML29.csv	ML08.csv	0.3423	0.5100	0.0000	0.2119
ML29.csv	ML09.csv	0.4286	0.6000	0.0000	0.1333
ML29.csv	ML10.csv	0.3333	0.5000	0.0000	0.3441
ML29.csv	ML11.csv	0.4184	0.5900	0.0000	0.3669
ML29.csv	ML12.csv	0.3514	0.5200	0.0000	0.2265
ML29.csv	ML13.csv	0.3986	0.5700	0.0000	0.4746
ML29.csv	ML14.csv	0.3793	0.5500	0.0000	0.4274
ML29.csv	ML15.csv	0.3986	0.5700	0.0000	0.1435
ML29.csv	ML16.csv	0.3793	0.5500	0.0022	0.2956
ML29.csv	ML17.csv	0.3072	0.4700	0.0000	0.3544
ML29.csv	ML18.csv	0.3423	0.5100	0.0000	0.2384
ML29.csv	ML19.csv	0.3514	0.5200	0.0000	0.2037
ML29.csv	ML20.csv	0.3793	0.5500	0.0000	0.1700
ML29.csv	ML21.csv	0.3889	0.5600	0.0364	0.1015
ML29.csv	ML22.csv	0.3605	0.5300	0.0000	0.4428
ML29.csv	ML23.csv	0.3514	0.5200	0.0000	0.3171
ML29.csv	ML24.csv	0.3889	0.5600	0.2819	0.1644
ML29.csv	ML25.csv	0.2987	0.4600	0.0000	0.1368
ML29.csv	ML26.csv	0.3514	0.5200	0.0000	0.3007
ML29.csv	ML27.csv	0.4085	0.5800	0.0000	0.2755
ML29.csv	ML28.csv	0.4388	0.6100	0.0156	0.2467
ML00.csv	ML01.csv	0.4286	0.6000	0.0000	0.4285
ML00.csv	ML02.csv	0.3986	0.5700	0.0000	0.3347
ML00.csv	ML03.csv	0.3333	0.5000	0.0000	0.2309
ML00.csv	ML04.csv	0.4085	0.5800	0.0013	0.1827
ML00.csv	ML05.csv	0.3793	0.5500	0.0000	0.2625
ML00.csv	ML06.csv	0.3986	0.5700	0.0000	0.2750

Implementation Number 131

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.4388	0.6100	0.0000	0.3937
ML00.csv	ML08.csv	0.4184	0.5900	0.0000	0.2667
ML00.csv	ML09.csv	0.3889	0.5600	0.0000	0.2676
ML00.csv	ML10.csv	0.3889	0.5600	0.0000	0.3618
ML00.csv	ML11.csv	0.3699	0.5400	0.0007	0.2924
ML00.csv	ML12.csv	0.3889	0.5600	0.0000	0.2868
ML00.csv	ML13.csv	0.3986	0.5700	0.0000	0.2853
ML00.csv	ML14.csv	0.3514	0.5200	0.2819	0.4405
ML00.csv	ML15.csv	0.3986	0.5700	0.0000	0.0736
ML00.csv	ML16.csv	0.3986	0.5700	0.0000	0.4204
ML00.csv	ML17.csv	0.4815	0.6500	0.9997	0.3883
ML00.csv	ML18.csv	0.3605	0.5300	0.0000	0.4189
ML00.csv	ML19.csv	0.4184	0.5900	0.0000	0.2309
ML00.csv	ML20.csv	0.3986	0.5700	0.0156	0.4269
ML00.csv	ML21.csv	0.3986	0.5700	0.0000	0.2217

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Global Metrics:

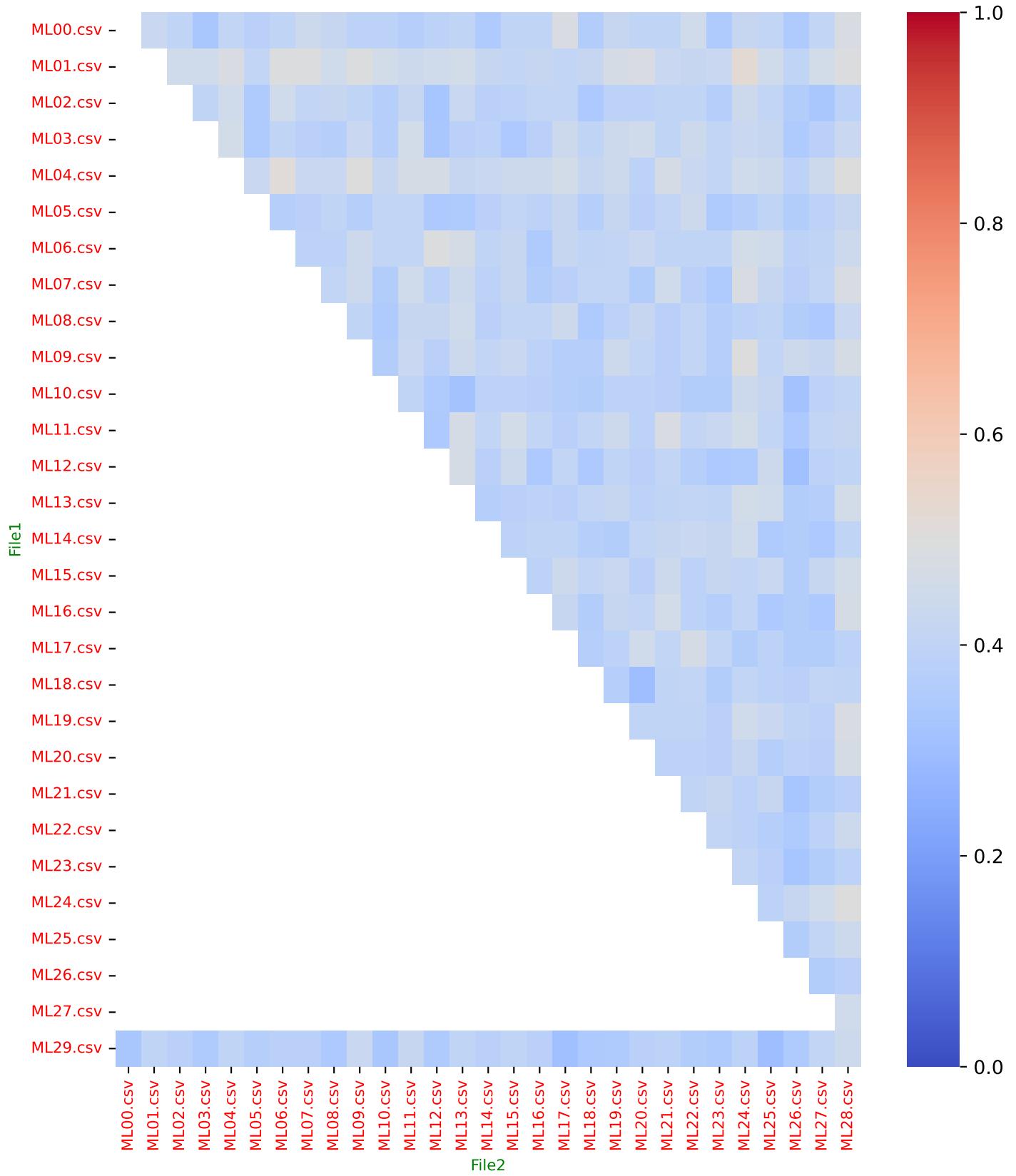
Mean Jaccard Coefficient (J): 0.4027
Fleiss' Kappa Agreement Index (κF): 0.3460
Mean KS Distance Between Pairs (D): 0.7439
Mean p-value for KS Test Pairs: 0.0454
Mean KS Distance for Multiple Samples (D_{mult}): 0.5423
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000
Mean Kendall Tau ($\bar{\tau}$): 0.2522
Median Kendall Tau ($\tilde{\tau}$): 0.2588
Percentage of Pairs with $\tau > 0$: 99.08%

Implementation Number 131

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

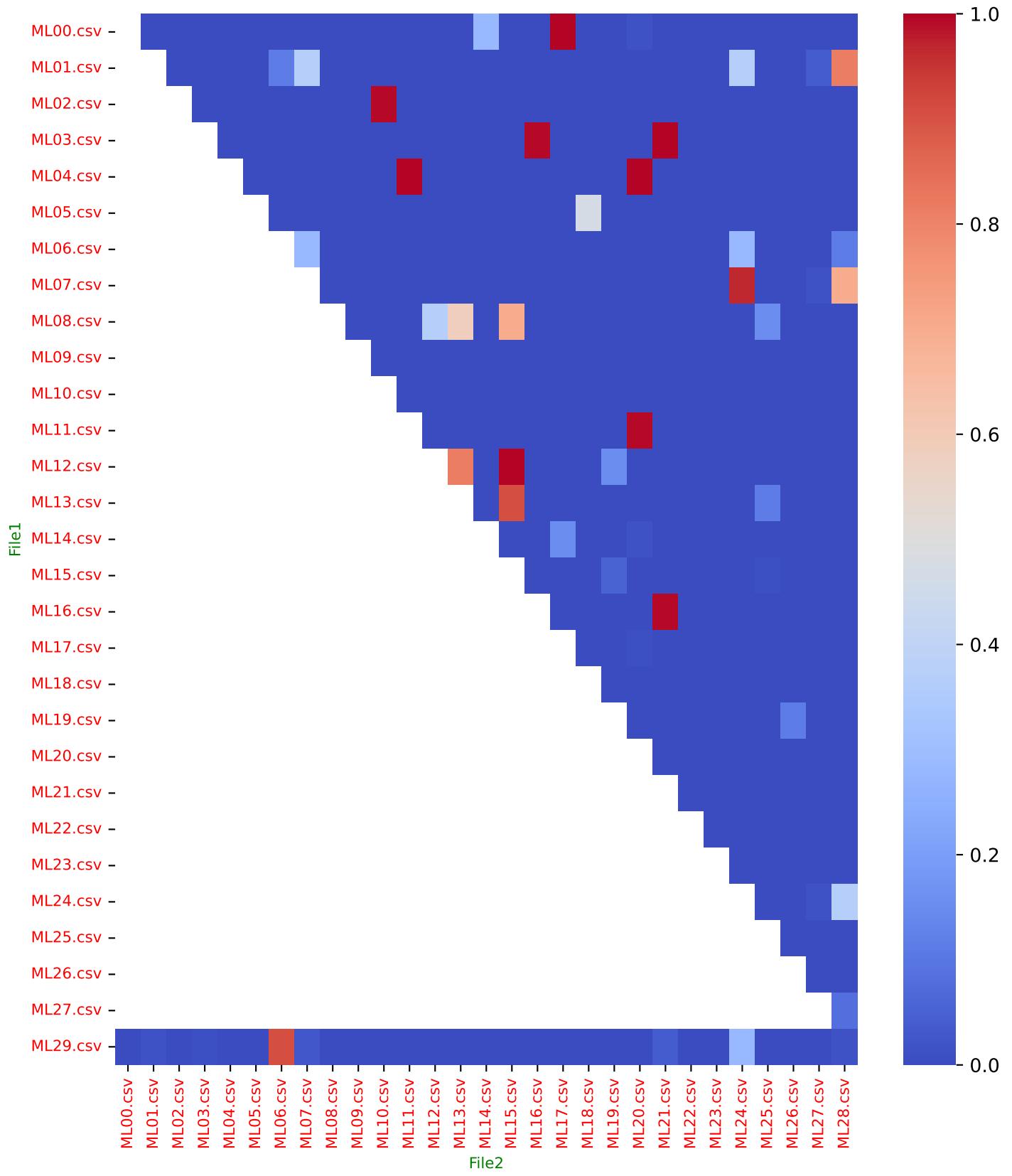


Implementation Number 131

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

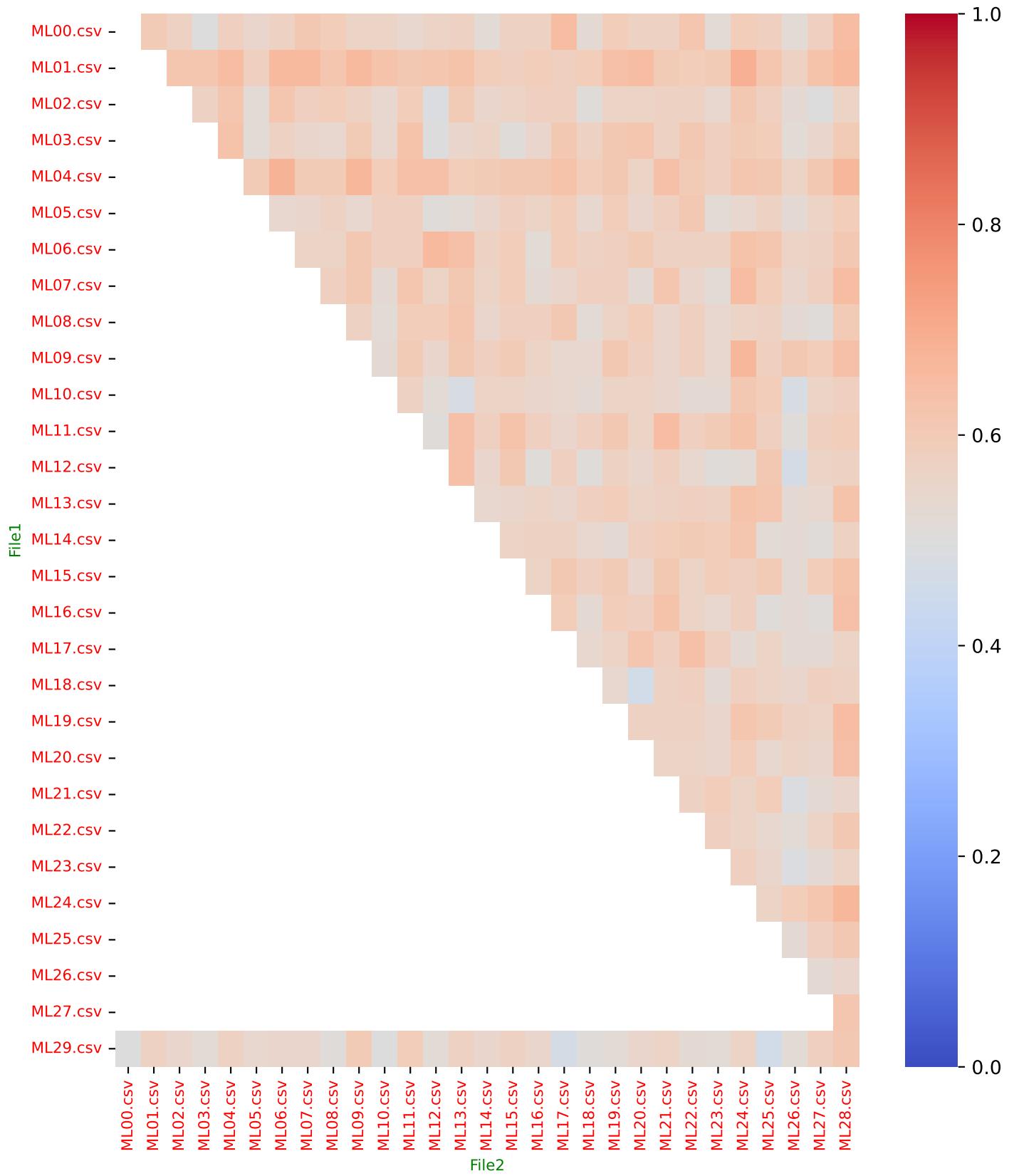


Implementation Number 131

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

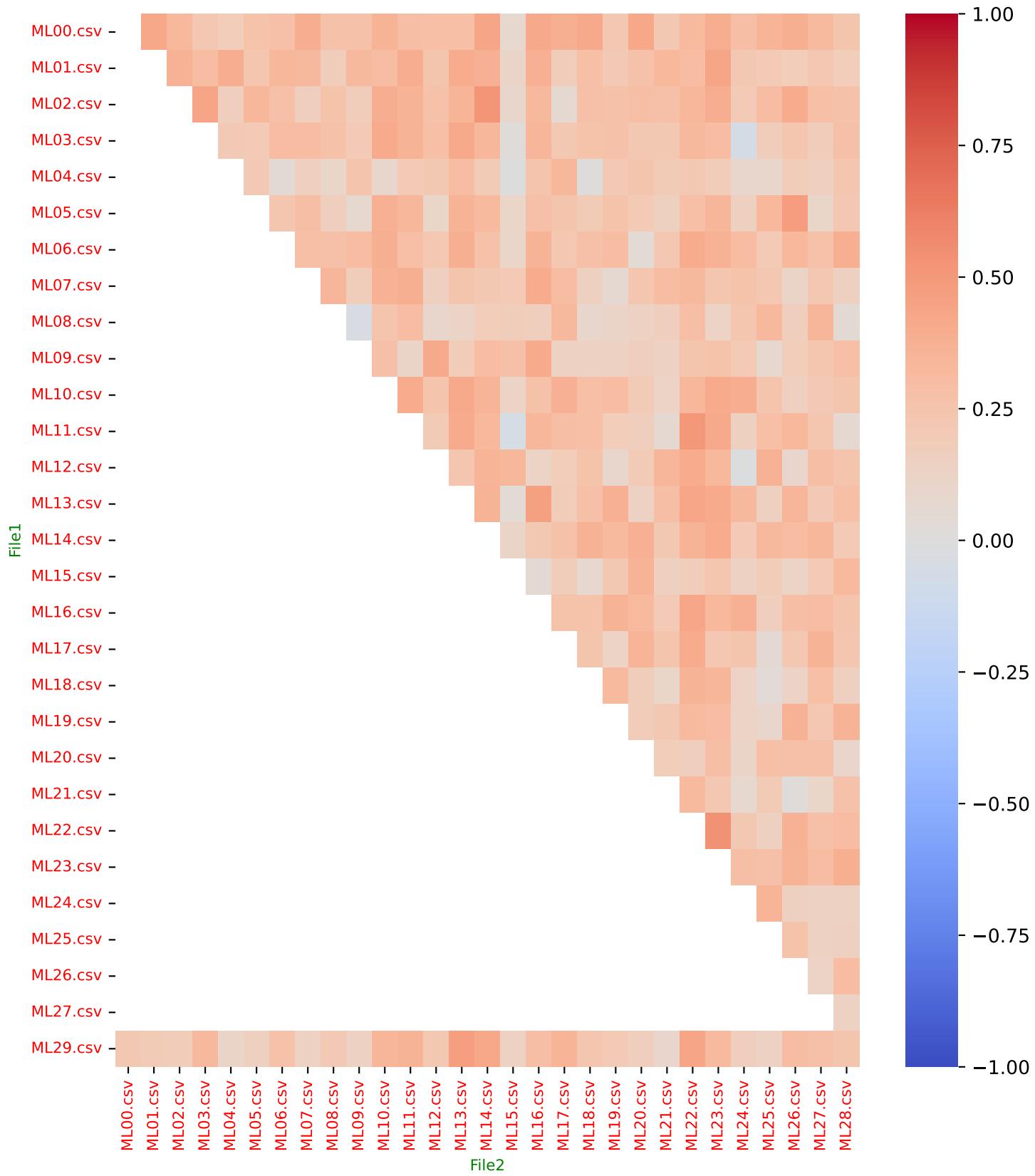


Implementation Number 131

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 132

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 200
Number of Files: 30

Implementation Number 132

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 132

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 132

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
096.67 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
096.67 %	BAKON_571	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29
093.33 %	BAKON_126	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29
096.67 %	BAKON_276	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29
100.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
096.67 %	BAKON_125	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
086.67 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29
093.33 %	BAKON_273	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29
090.00 %	BAKON_133	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29
093.33 %	BAKON_470	00, 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29
096.67 %	BAKON_059	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
096.67 %	BAKON_085	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
...	continues	... (formatted sample for printing)

Global node Presence Mean (Weighted): 73.47%

Implementation Number 132

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.5686	0.7250	0.0000	0.2366
ML29.csv	ML01.csv	0.6194	0.7650	0.0521	0.3497
ML29.csv	ML02.csv	0.5810	0.7350	0.0000	0.3489
ML29.csv	ML03.csv	0.5748	0.7300	0.0118	0.2527
ML29.csv	ML04.csv	0.5625	0.7200	0.0000	0.3314
ML29.csv	ML05.csv	0.5810	0.7350	0.0000	0.3159
ML29.csv	ML06.csv	0.5873	0.7400	0.4663	0.2839
ML29.csv	ML07.csv	0.5936	0.7450	0.2205	0.3459
ML29.csv	ML08.csv	0.5326	0.6950	0.0000	0.3249
ML29.csv	ML09.csv	0.6194	0.7650	0.0000	0.3502
ML29.csv	ML10.csv	0.5564	0.7150	0.0000	0.2720
ML29.csv	ML11.csv	0.6194	0.7650	0.0000	0.3563
ML29.csv	ML12.csv	0.5385	0.7000	0.0000	0.3257
ML29.csv	ML13.csv	0.5873	0.7400	0.0000	0.3821
ML29.csv	ML14.csv	0.6000	0.7500	0.0000	0.2974
ML29.csv	ML15.csv	0.5936	0.7450	0.0000	0.2865
ML29.csv	ML16.csv	0.5748	0.7300	0.0006	0.3576
ML29.csv	ML17.csv	0.5810	0.7350	0.0000	0.2078
ML29.csv	ML18.csv	0.5152	0.6800	0.0000	0.2860
ML29.csv	ML19.csv	0.5385	0.7000	0.0000	0.3147
ML29.csv	ML20.csv	0.5936	0.7450	0.0000	0.2337
ML29.csv	ML21.csv	0.6064	0.7550	0.0221	0.3258
ML29.csv	ML22.csv	0.5625	0.7200	0.0000	0.3145
ML29.csv	ML23.csv	0.5873	0.7400	0.0000	0.3260
ML29.csv	ML24.csv	0.5564	0.7150	0.7126	0.2825
ML29.csv	ML25.csv	0.5625	0.7200	0.0000	0.2750
ML29.csv	ML26.csv	0.5625	0.7200	0.0000	0.2144
ML29.csv	ML27.csv	0.6000	0.7500	0.0021	0.3585
ML29.csv	ML28.csv	0.5873	0.7400	0.1779	0.3877
ML00.csv	ML01.csv	0.6194	0.7650	0.0000	0.4080
ML00.csv	ML02.csv	0.5686	0.7250	0.0000	0.3345
ML00.csv	ML03.csv	0.5748	0.7300	0.0000	0.2484
ML00.csv	ML04.csv	0.5564	0.7150	0.0030	0.3649
ML00.csv	ML05.csv	0.5564	0.7150	0.0000	0.3258
ML00.csv	ML06.csv	0.5936	0.7450	0.0000	0.3323

Implementation Number 132

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.5504	0.7100	0.0000	0.3641
ML00.csv	ML08.csv	0.5564	0.7150	0.0000	0.3833
ML00.csv	ML09.csv	0.5810	0.7350	0.0000	0.3058
ML00.csv	ML10.csv	0.5810	0.7350	0.0000	0.3964
ML00.csv	ML11.csv	0.5326	0.6950	0.0163	0.2465
ML00.csv	ML12.csv	0.5564	0.7150	0.0000	0.3382
ML00.csv	ML13.csv	0.5504	0.7100	0.0000	0.3849
ML00.csv	ML14.csv	0.5936	0.7450	0.5453	0.3196
ML00.csv	ML15.csv	0.5936	0.7450	0.0000	0.3232
ML00.csv	ML16.csv	0.5810	0.7350	0.0000	0.3560
ML00.csv	ML17.csv	0.5936	0.7450	0.9973	0.5001
ML00.csv	ML18.csv	0.5444	0.7050	0.0000	0.3082
ML00.csv	ML19.csv	0.5209	0.6850	0.0001	0.3899
ML00.csv	ML20.csv	0.5873	0.7400	0.1123	0.3879
ML00.csv	ML21.csv	0.5686	0.7250	0.0000	0.3092

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Global Metrics:

Mean Jaccard Coefficient (J): 0.5697

Fleiss' Kappa Agreement Index (κ_F): 0.4304

Mean KS Distance Between Pairs (D): 0.6287

Mean p-value for KS Test Pairs: 0.0522

Mean KS Distance for Multiple Samples (D_{mult}): 0.4608

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000

Mean Kendall Tau ($\bar{\tau}$): 0.3741

Median Kendall Tau ($\tilde{\tau}$): 0.3765

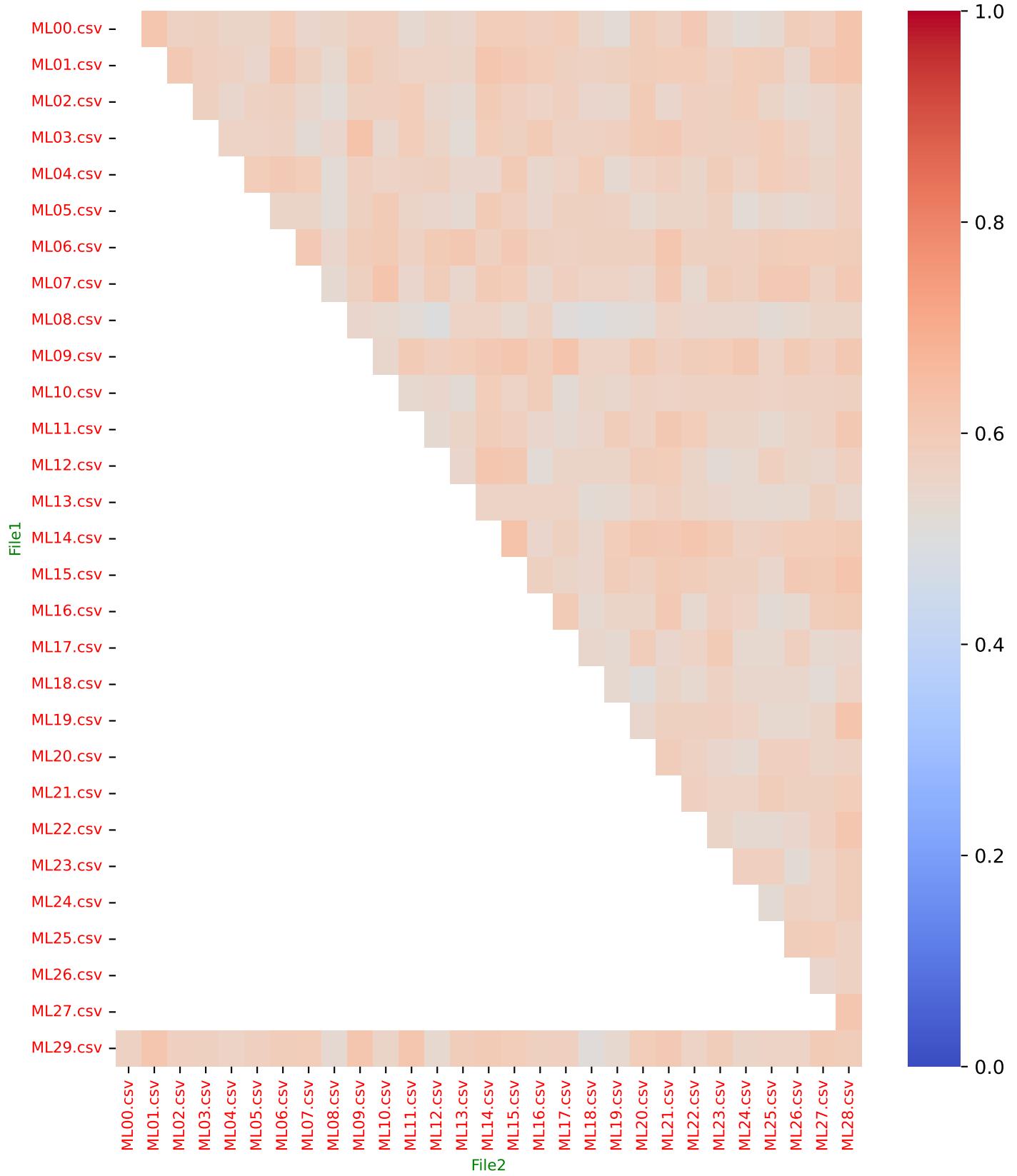
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 132

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

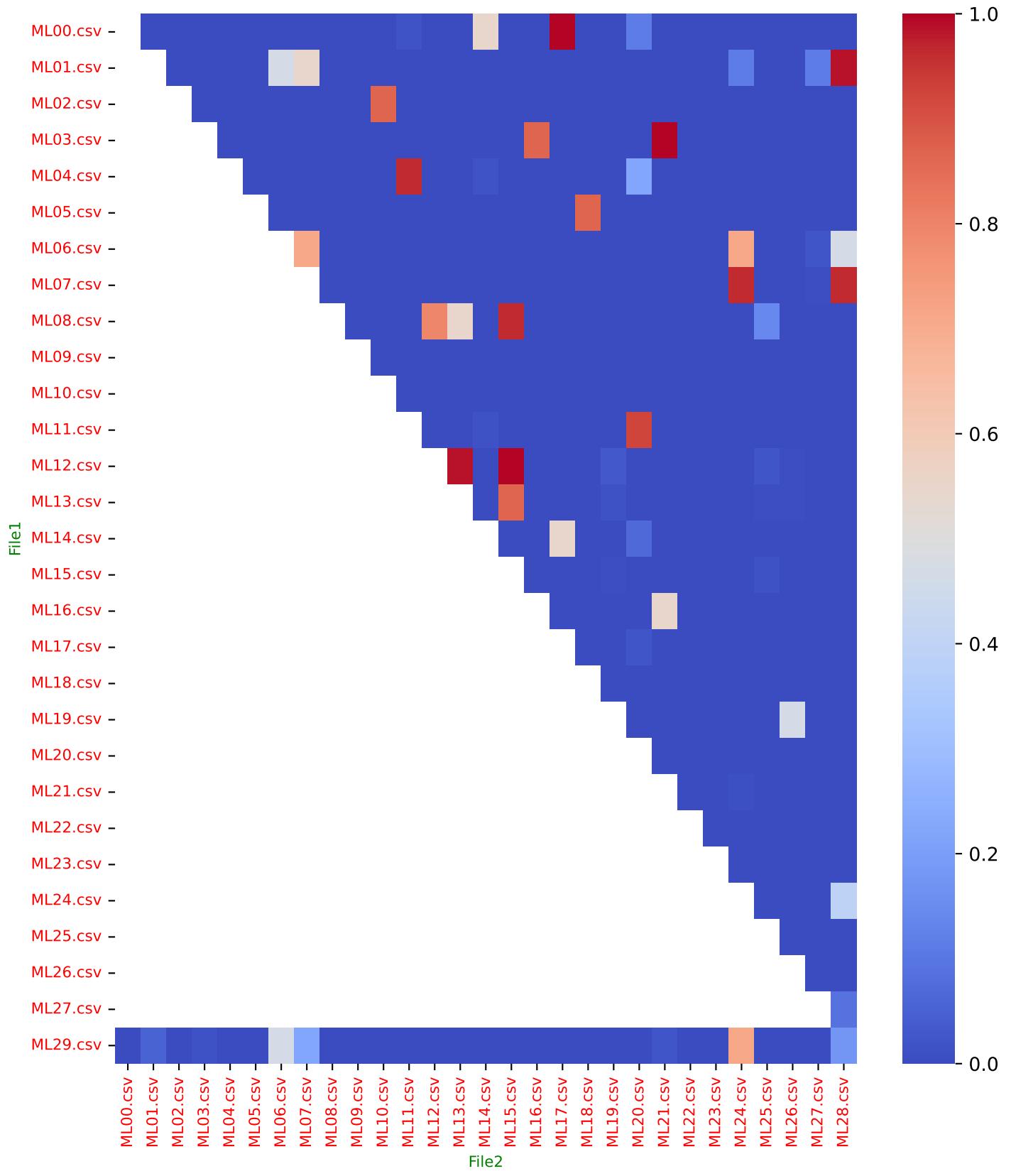


Implementation Number 132

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

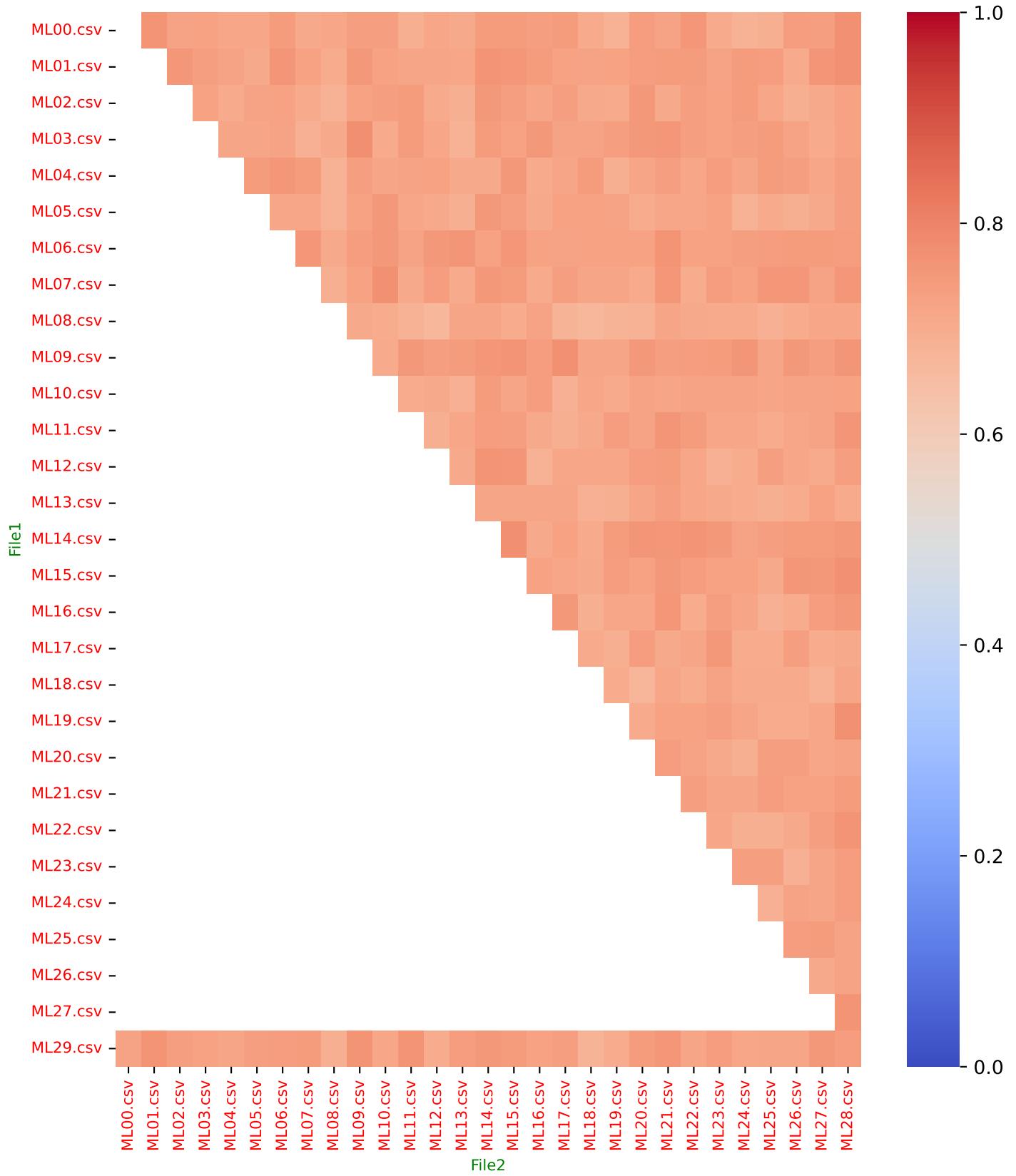


Implementation Number 132

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

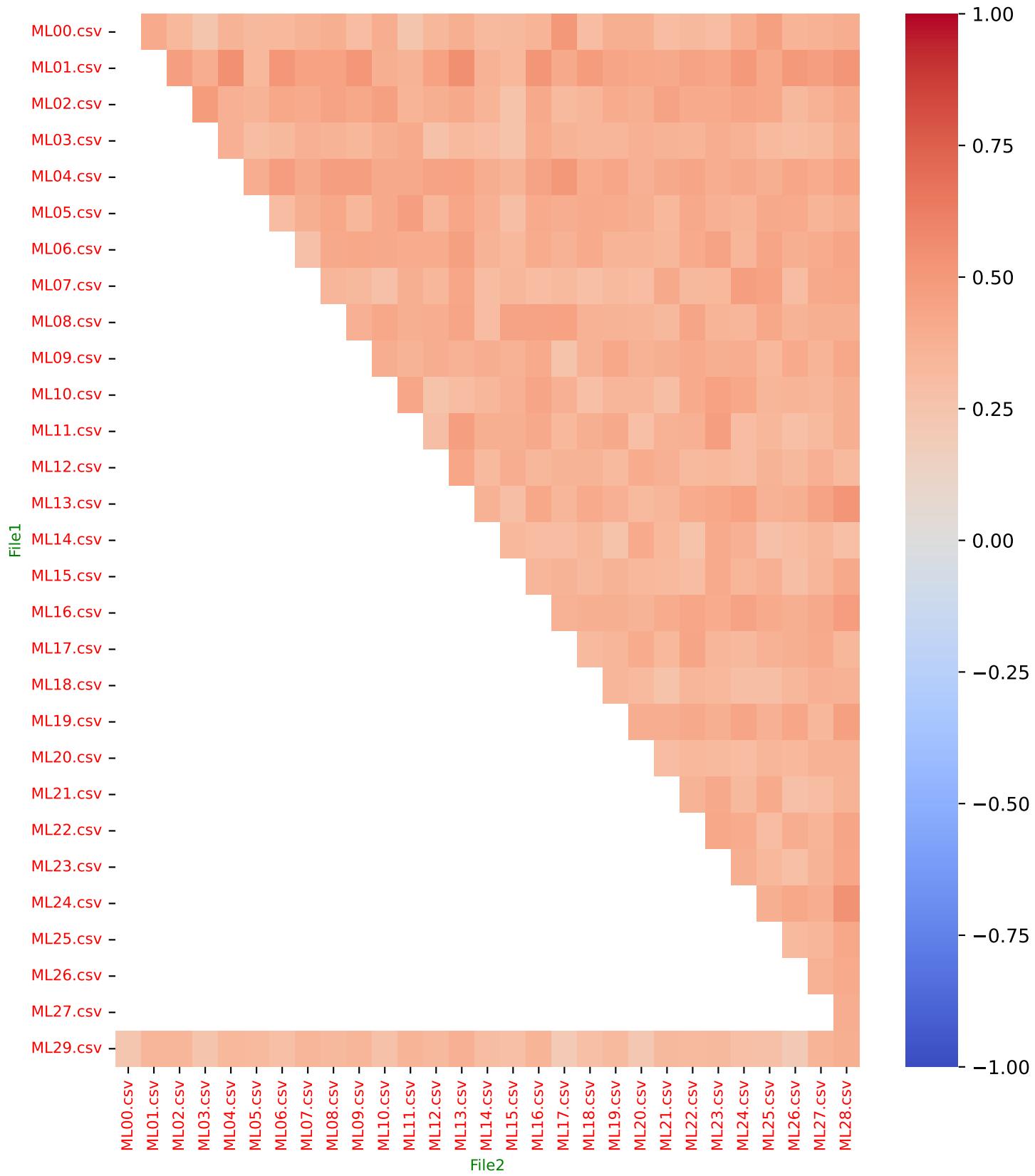


Implementation Number 132

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 133

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 10
Number of Files: 30**

Implementation Number 133

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 133

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 133

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
053.33 %	BAKON_211	00, 01, 03, 05, 06, 07, 08, 10, 11, 12, 15, 19, 23, 24, 26, 29
073.33 %	BAKON_422	00, 01, 03, 05, 09, 10, 11, 12, 13, 14, 16, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29
096.67 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
013.33 %	BAKON_604	00, 04, 08, 28
006.67 %	BAKON_239	00, 07
070.00 %	BAKON_478	00, 01, 02, 03, 04, 07, 09, 10, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 28, 29
003.33 %	BAKON_450	00
013.33 %	BAKON_571	00, 07, 13, 25
023.33 %	BAKON_098	00, 02, 07, 12, 13, 14, 28
030.00 %	BAKON_572	00, 02, 03, 07, 11, 13, 20, 23, 29
046.67 %	BAKON_212	01, 04, 05, 08, 09, 13, 18, 19, 20, 21, 22, 23, 27, 28
066.67 %	BAKON_437	01, 02, 04, 05, 07, 08, 09, 10, 12, 13, 14, 15, 17, 18, 21, 22, 26, 27, 28, 29
013.33 %	BAKON_289	01, 10, 17, 25
023.33 %	BAKON_443	01, 03, 04, 08, 09, 10, 14
006.67 %	BAKON_283	01, 29
026.67 %	BAKON_361	01, 07, 13, 14, 18, 19, 23, 27
030.00 %	BAKON_209	02, 08, 11, 14, 15, 16, 17, 24, 29
020.00 %	BAKON_234	02, 05, 14, 15, 23, 28
003.33 %	BAKON_160	02
020.00 %	BAKON_338	02, 03, 06, 18, 20, 21
010.00 %	BAKON_104	02, 06, 18
020.00 %	BAKON_292	03, 04, 12, 19, 22, 26
006.67 %	BAKON_353	03, 06

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Global node Presence Mean (Weighted): 40.87%

Implementation Number 133

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.2500	0.4000	0.9945	-0.3333
ML29.csv	ML01.csv	0.2500	0.4000	0.7869	0.3333
ML29.csv	ML02.csv	0.3333	0.5000	0.7869	0.4000
ML29.csv	ML03.csv	0.1765	0.3000	0.4175	1.0000
ML29.csv	ML04.csv	0.1765	0.3000	0.7869	0.3333
ML29.csv	ML05.csv	0.1111	0.2000	0.7869	1.0000
ML29.csv	ML06.csv	0.5385	0.7000	0.4175	0.2381
ML29.csv	ML07.csv	0.1111	0.2000	0.4175	1.0000
ML29.csv	ML08.csv	0.1765	0.3000	0.7869	-0.3333
ML29.csv	ML09.csv	0.2500	0.4000	0.7869	0.3333
ML29.csv	ML10.csv	0.2500	0.4000	0.4175	1.0000
ML29.csv	ML11.csv	0.2500	0.4000	0.7869	0.6667
ML29.csv	ML12.csv	0.3333	0.5000	0.9945	0.4000
ML29.csv	ML13.csv	0.2500	0.4000	0.9945	-0.3333
ML29.csv	ML14.csv	0.1765	0.3000	0.9945	1.0000
ML29.csv	ML15.csv	0.1765	0.3000	0.7869	1.0000
ML29.csv	ML16.csv	0.1111	0.2000	0.7869	-1.0000
ML29.csv	ML17.csv	0.1765	0.3000	0.4175	0.3333
ML29.csv	ML18.csv	0.2500	0.4000	0.9945	-0.3333
ML29.csv	ML19.csv	0.1765	0.3000	0.4175	0.3333
ML29.csv	ML20.csv	0.1765	0.3000	0.7869	-1.0000
ML29.csv	ML21.csv	0.1111	0.2000	0.7869	1.0000
ML29.csv	ML22.csv	0.3333	0.5000	0.4175	0.4000
ML29.csv	ML23.csv	0.2500	0.4000	0.9945	0.6667
ML29.csv	ML24.csv	0.1765	0.3000	0.4175	0.3333
ML29.csv	ML25.csv	0.1765	0.3000	0.4175	1.0000
ML29.csv	ML26.csv	0.1765	0.3000	0.7869	-1.0000
ML29.csv	ML27.csv	0.3333	0.5000	0.9945	0.0000
ML29.csv	ML28.csv	0.3333	0.5000	0.9945	0.0000
ML00.csv	ML01.csv	0.1765	0.3000	0.1678	-0.3333
ML00.csv	ML02.csv	0.3333	0.5000	0.9945	0.8000
ML00.csv	ML03.csv	0.3333	0.5000	0.1678	0.2000
ML00.csv	ML04.csv	0.3333	0.5000	0.7869	0.2000
ML00.csv	ML05.csv	0.1111	0.2000	0.7869	-1.0000
ML00.csv	ML06.csv	0.3333	0.5000	0.4175	-0.4000

Implementation Number 133

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.2500	0.4000	0.1678	0.3333
ML00.csv	ML08.csv	0.4286	0.6000	0.4175	0.7333
ML00.csv	ML09.csv	0.5385	0.7000	0.7869	0.1429
ML00.csv	ML10.csv	0.1765	0.3000	0.7869	-0.3333
ML00.csv	ML11.csv	0.2500	0.4000	0.9945	-1.0000
ML00.csv	ML12.csv	0.3333	0.5000	0.9945	0.0000
ML00.csv	ML13.csv	0.4286	0.6000	0.7869	0.2000
ML00.csv	ML14.csv	0.2500	0.4000	0.9945	-0.6667
ML00.csv	ML15.csv	0.1765	0.3000	0.4175	-0.3333
ML00.csv	ML16.csv	0.2500	0.4000	0.7869	-1.0000
ML00.csv	ML17.csv	0.4286	0.6000	0.7869	-0.3333
ML00.csv	ML18.csv	0.4286	0.6000	0.7869	-0.2000
ML00.csv	ML19.csv	0.1765	0.3000	0.7869	0.3333
ML00.csv	ML20.csv	0.3333	0.5000	0.7869	0.2000
ML00.csv	ML21.csv	0.2500	0.4000	0.9945	0.3333

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2482

Fleiss' Kappa Agreement Index (κ_F): 0.2492

Mean KS Distance Between Pairs (D): 0.3246

Mean p-value for KS Test Pairs: 0.6759

Mean KS Distance for Multiple Samples (D_{mult}): 0.2406

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5794

Mean Kendall Tau ($\bar{\tau}$): 0.2262

Median Kendall Tau ($\tilde{\tau}$): 0.3333

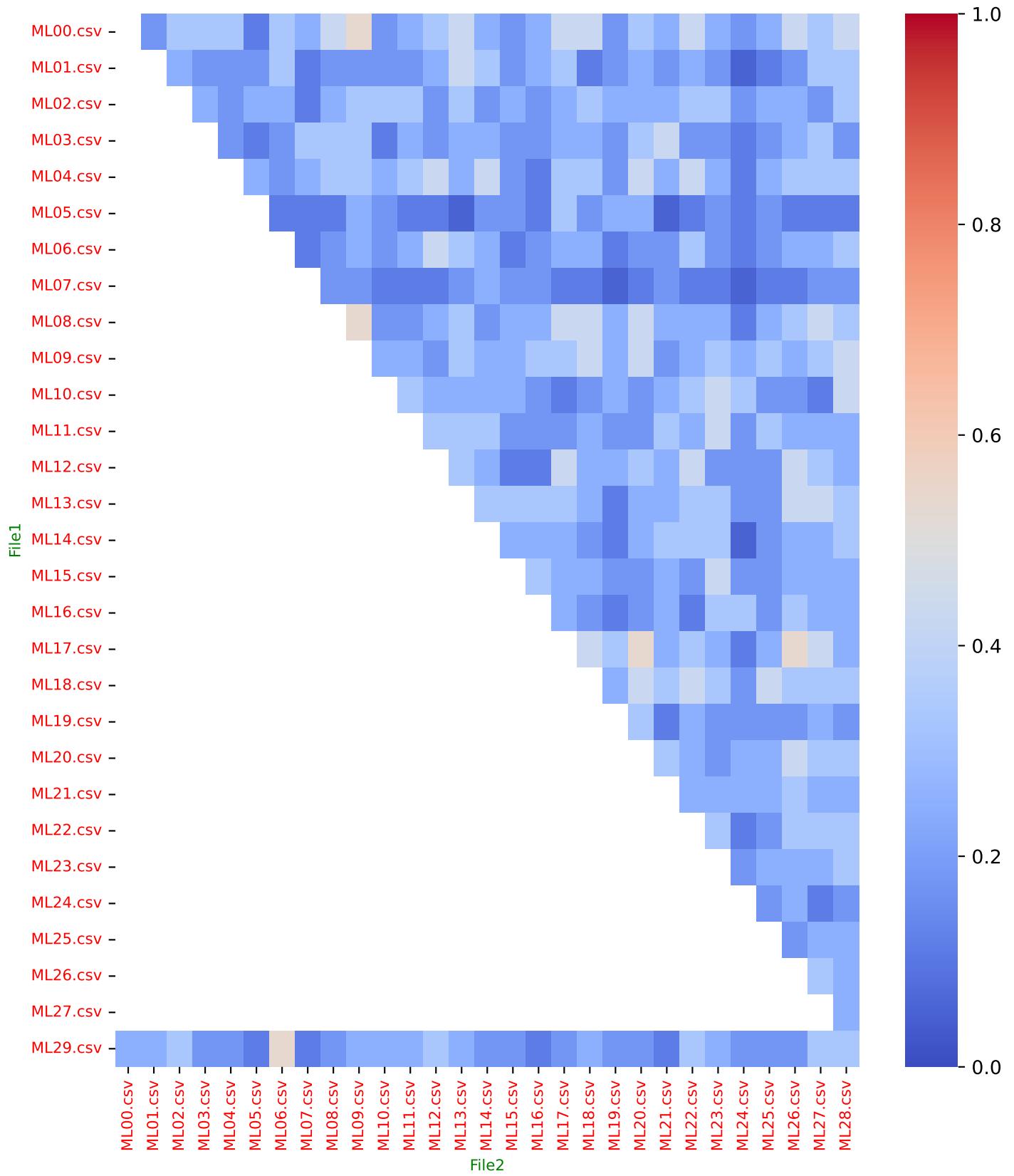
Percentage of Pairs with $\tau > 0$: 63.22%

Implementation Number 133

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

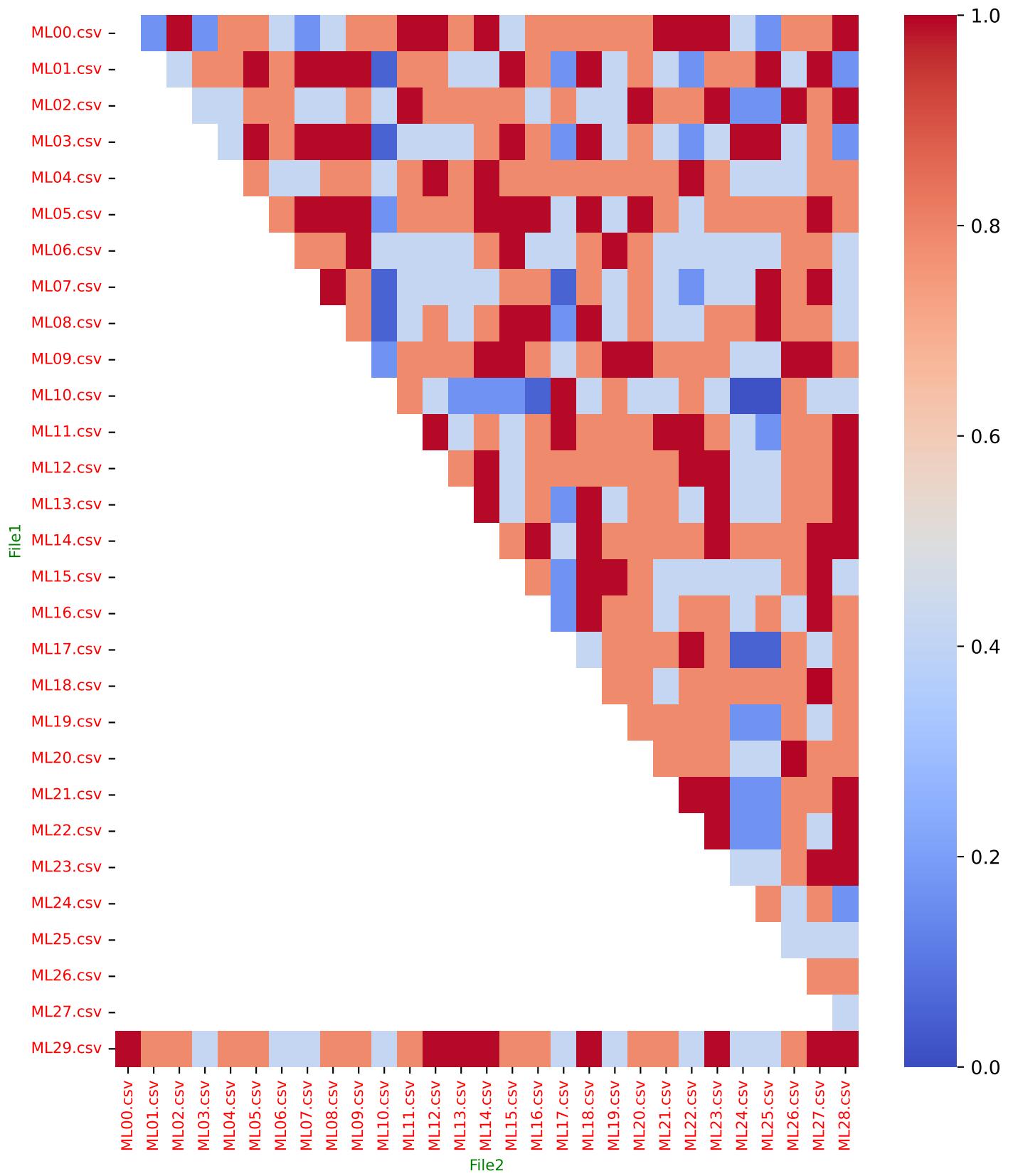


Implementation Number 133

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

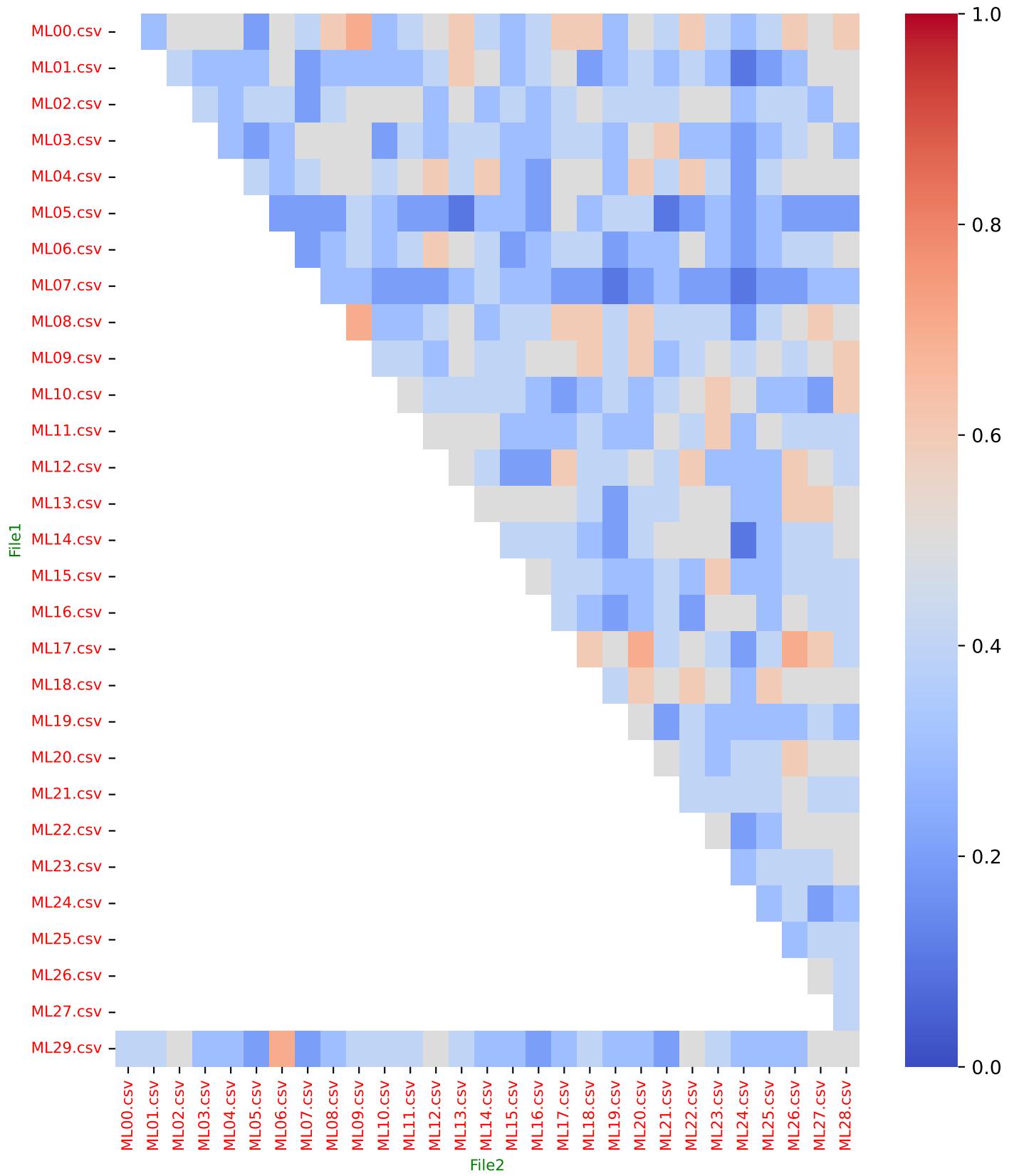


Implementation Number 133

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

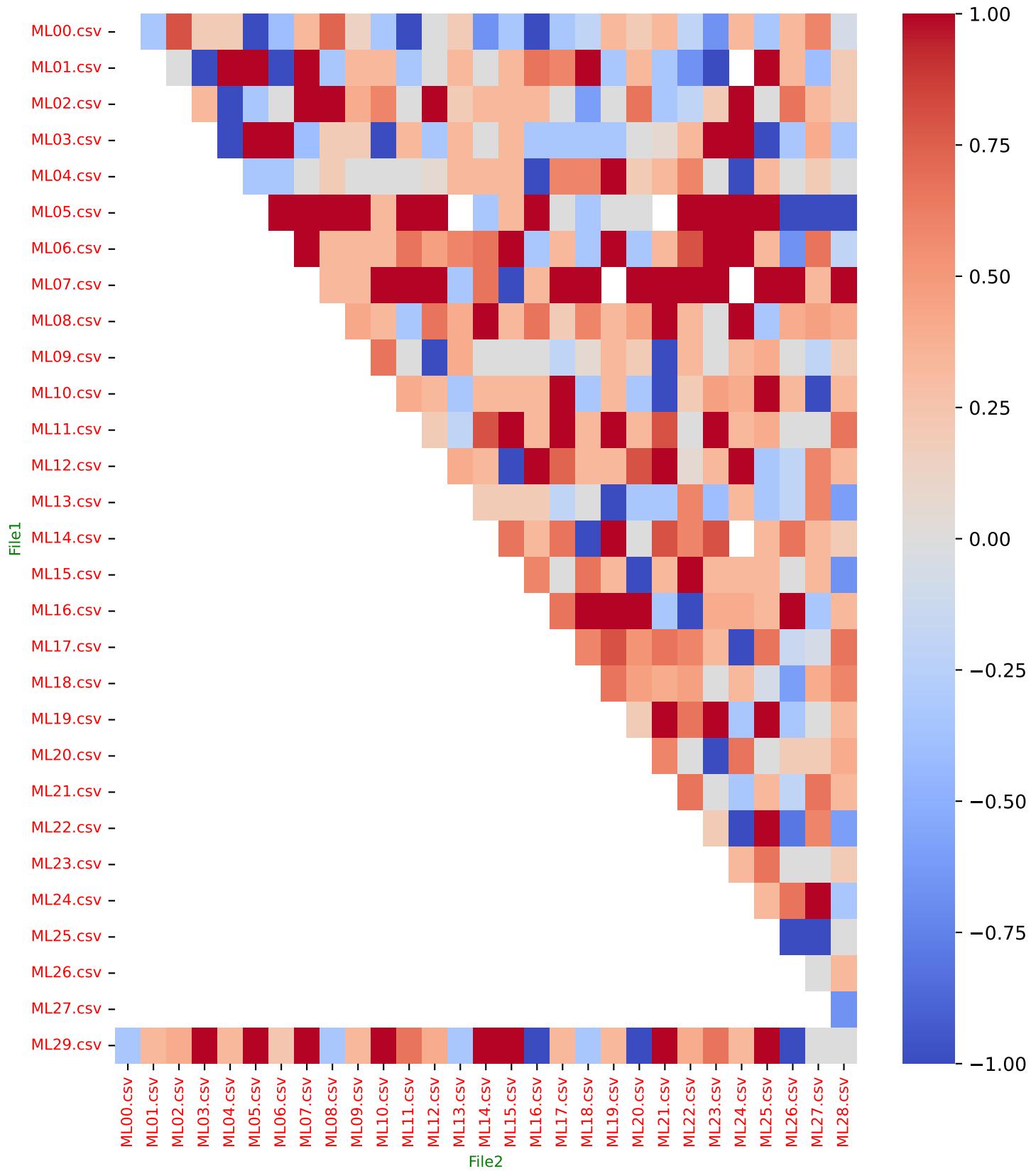


Implementation Number 133

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 134

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 20
Number of Files: 30**

Implementation Number 134

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 134

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 134

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
056.67 %	BAKON_211	00, 01, 03, 04, 05, 06, 07, 08, 10, 11, 12, 15, 19, 23, 24, 26, 29
080.00 %	BAKON_422	00, 01, 02, 03, 05, 09, 10, 11, 12, 13, 14, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
030.00 %	BAKON_604	00, 02, 04, 08, 10, 21, 22, 23, 28
013.33 %	BAKON_239	00, 03, 07, 24
080.00 %	BAKON_478	00, 01, 02, 03, 04, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29
010.00 %	BAKON_450	00, 19, 27
046.67 %	BAKON_571	00, 04, 06, 07, 08, 09, 12, 13, 18, 20, 22, 25, 26, 27
033.33 %	BAKON_098	00, 01, 02, 07, 08, 12, 13, 14, 20, 28
070.00 %	BAKON_572	00, 02, 03, 04, 05, 06, 07, 09, 11, 12, 13, 15, 18, 19, 20, 22, 23, 25, 26, 27, 29
016.67 %	BAKON_343	00, 07, 10, 14, 24
096.67 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
033.33 %	BAKON_425	00, 03, 05, 06, 07, 14, 16, 19, 20, 26
076.67 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28
066.67 %	BAKON_317	00, 01, 02, 03, 05, 08, 09, 11, 12, 14, 16, 17, 18, 20, 21, 22, 24, 25, 27, 28
040.00 %	BAKON_319	00, 02, 03, 08, 09, 14, 17, 20, 21, 25, 27, 28
030.00 %	BAKON_293	00, 05, 06, 13, 15, 18, 21, 27, 28
030.00 %	BAKON_570	00, 03, 06, 13, 15, 18, 23, 25, 28
006.67 %	BAKON_475	00, 06
060.00 %	BAKON_337	00, 01, 02, 03, 04, 06, 10, 11, 14, 17, 20, 21, 22, 23, 24, 25, 26, 29
046.67 %	BAKON_212	01, 04, 05, 08, 09, 13, 18, 19, 20, 21, 22, 23, 27, 28
016.67 %	BAKON_289	01, 10, 14, 17, 25

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Global node Presence Mean (Weighted): 46.60%

Implementation Number 134

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.2903	0.4500	0.5713	0.3889
ML29.csv	ML01.csv	0.3793	0.5500	0.8320	0.2000
ML29.csv	ML02.csv	0.3793	0.5500	0.1745	0.4909
ML29.csv	ML03.csv	0.2903	0.4500	0.8320	0.0556
ML29.csv	ML04.csv	0.2500	0.4000	0.9831	0.1429
ML29.csv	ML05.csv	0.3793	0.5500	0.5713	0.2727
ML29.csv	ML06.csv	0.3793	0.5500	0.5713	0.5273
ML29.csv	ML07.csv	0.2500	0.4000	0.3356	0.2143
ML29.csv	ML08.csv	0.2903	0.4500	0.9831	0.3333
ML29.csv	ML09.csv	0.2903	0.4500	0.3356	0.1667
ML29.csv	ML10.csv	0.2500	0.4000	0.5713	0.4286
ML29.csv	ML11.csv	0.2500	0.4000	0.3356	0.2857
ML29.csv	ML12.csv	0.3333	0.5000	0.8320	0.2889
ML29.csv	ML13.csv	0.3793	0.5500	0.8320	0.2364
ML29.csv	ML14.csv	0.2500	0.4000	0.9831	0.4286
ML29.csv	ML15.csv	0.2121	0.3500	0.8320	0.2381
ML29.csv	ML16.csv	0.2121	0.3500	0.8320	0.5238
ML29.csv	ML17.csv	0.3333	0.5000	0.5713	0.3778
ML29.csv	ML18.csv	0.2903	0.4500	0.3356	0.1111
ML29.csv	ML19.csv	0.3793	0.5500	0.5713	0.3455
ML29.csv	ML20.csv	0.3333	0.5000	0.3356	0.2444
ML29.csv	ML21.csv	0.3333	0.5000	0.8320	-0.1111
ML29.csv	ML22.csv	0.3333	0.5000	0.8320	0.5111
ML29.csv	ML23.csv	0.3333	0.5000	0.9831	0.4222
ML29.csv	ML24.csv	0.3333	0.5000	0.5713	0.2000
ML29.csv	ML25.csv	0.3333	0.5000	0.5713	0.2889
ML29.csv	ML26.csv	0.3333	0.5000	0.5713	-0.1556
ML29.csv	ML27.csv	0.3793	0.5500	0.9831	0.3818
ML29.csv	ML28.csv	0.2121	0.3500	0.8320	0.5238
ML00.csv	ML01.csv	0.4815	0.6500	0.5713	0.4103
ML00.csv	ML02.csv	0.2903	0.4500	0.1745	0.8333
ML00.csv	ML03.csv	0.2500	0.4000	0.5713	0.3571
ML00.csv	ML04.csv	0.2500	0.4000	0.9831	0.3571
ML00.csv	ML05.csv	0.2500	0.4000	0.3356	0.0714
ML00.csv	ML06.csv	0.2903	0.4500	0.8320	0.3333

Implementation Number 134

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.2903	0.4500	0.5713	0.3333
ML00.csv	ML08.csv	0.3333	0.5000	0.5713	0.4222
ML00.csv	ML09.csv	0.3793	0.5500	0.0335	0.4909
ML00.csv	ML10.csv	0.2903	0.4500	0.9831	0.0556
ML00.csv	ML11.csv	0.2903	0.4500	0.9831	0.1667
ML00.csv	ML12.csv	0.2500	0.4000	0.8320	0.2857
ML00.csv	ML13.csv	0.4815	0.6500	0.9831	0.3590
ML00.csv	ML14.csv	0.2903	0.4500	0.8320	0.4226
ML00.csv	ML15.csv	0.3333	0.5000	0.3356	0.0667
ML00.csv	ML16.csv	0.2903	0.4500	0.8320	0.1111
ML00.csv	ML17.csv	0.3333	0.5000	0.5713	0.3778
ML00.csv	ML18.csv	0.2903	0.4500	0.3356	-0.1667
ML00.csv	ML19.csv	0.3333	0.5000	0.8320	0.0667
ML00.csv	ML20.csv	0.4815	0.6500	0.0335	0.4872
ML00.csv	ML21.csv	0.3333	0.5000	0.9831	0.5111

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2923

Fleiss' Kappa Agreement Index (κ_F): 0.3003

Mean KS Distance Between Pairs (D): 0.2459

Mean p-value for KS Test Pairs: 0.6056

Mean KS Distance for Multiple Samples (D_{mult}): 0.1759

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5709

Mean Kendall Tau ($\bar{\tau}$): 0.2503

Median Kendall Tau ($\tilde{\tau}$): 0.2857

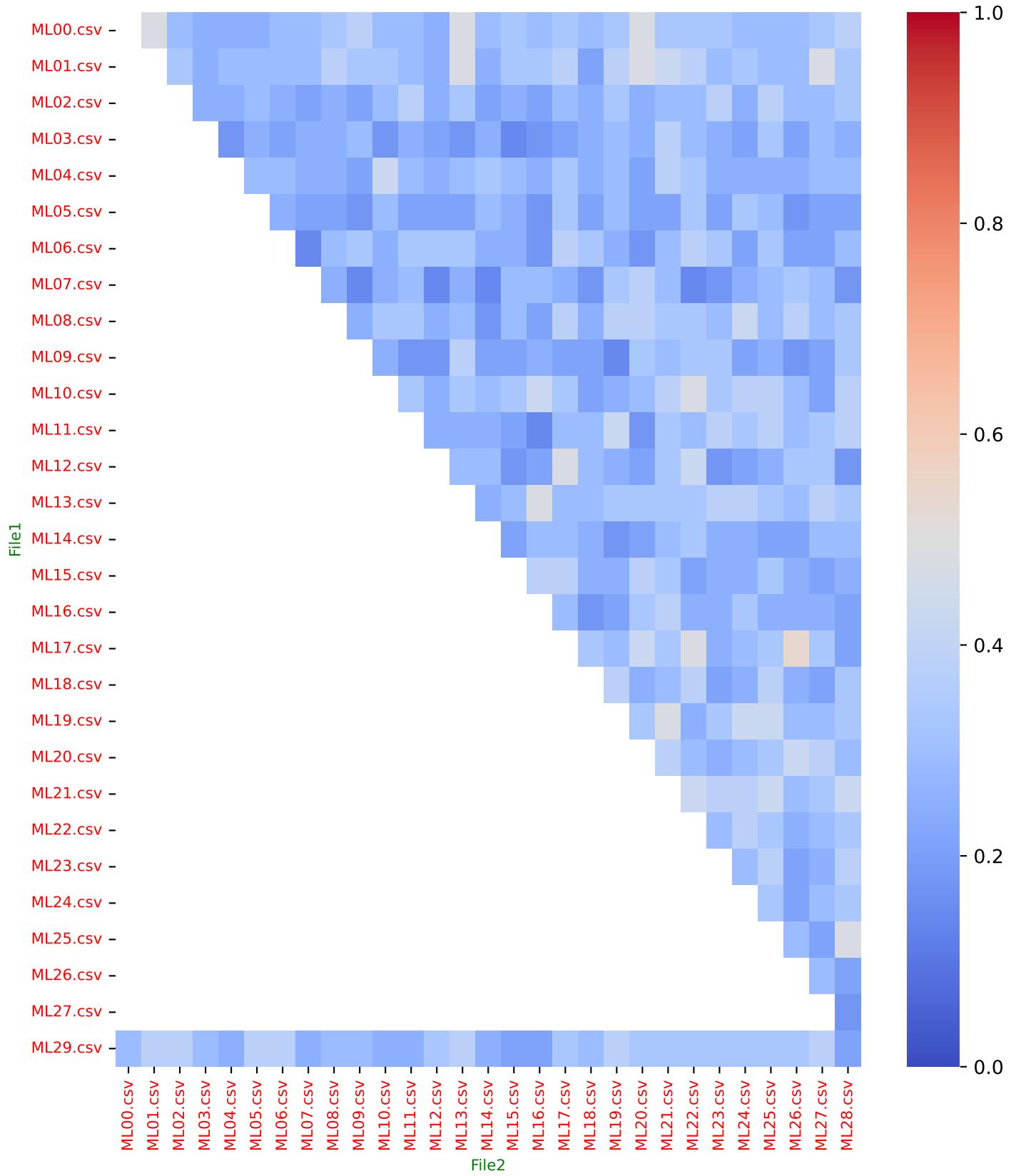
Percentage of Pairs with $\tau > 0$: 82.07%

Implementation Number 134

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

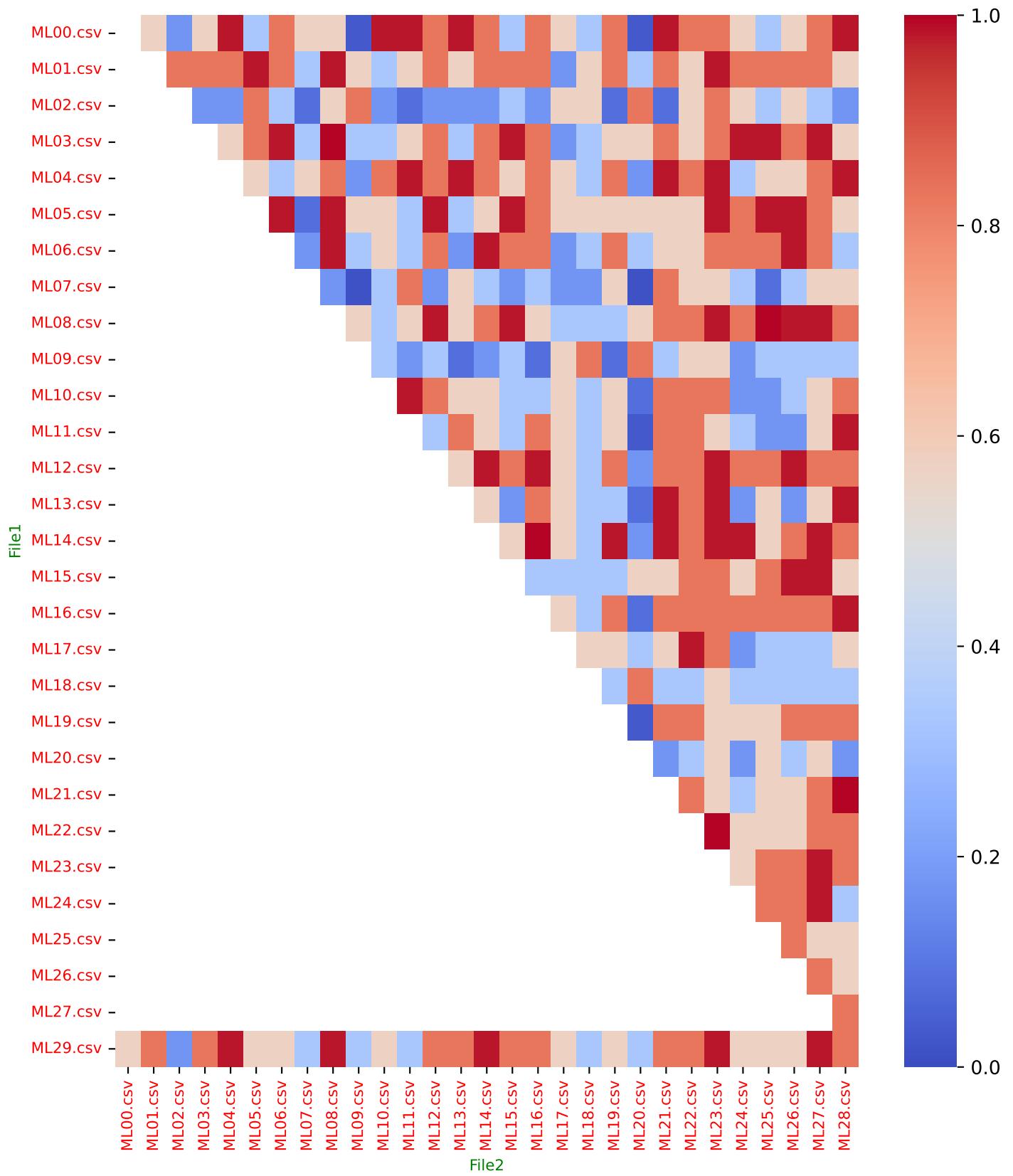


Implementation Number 134

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

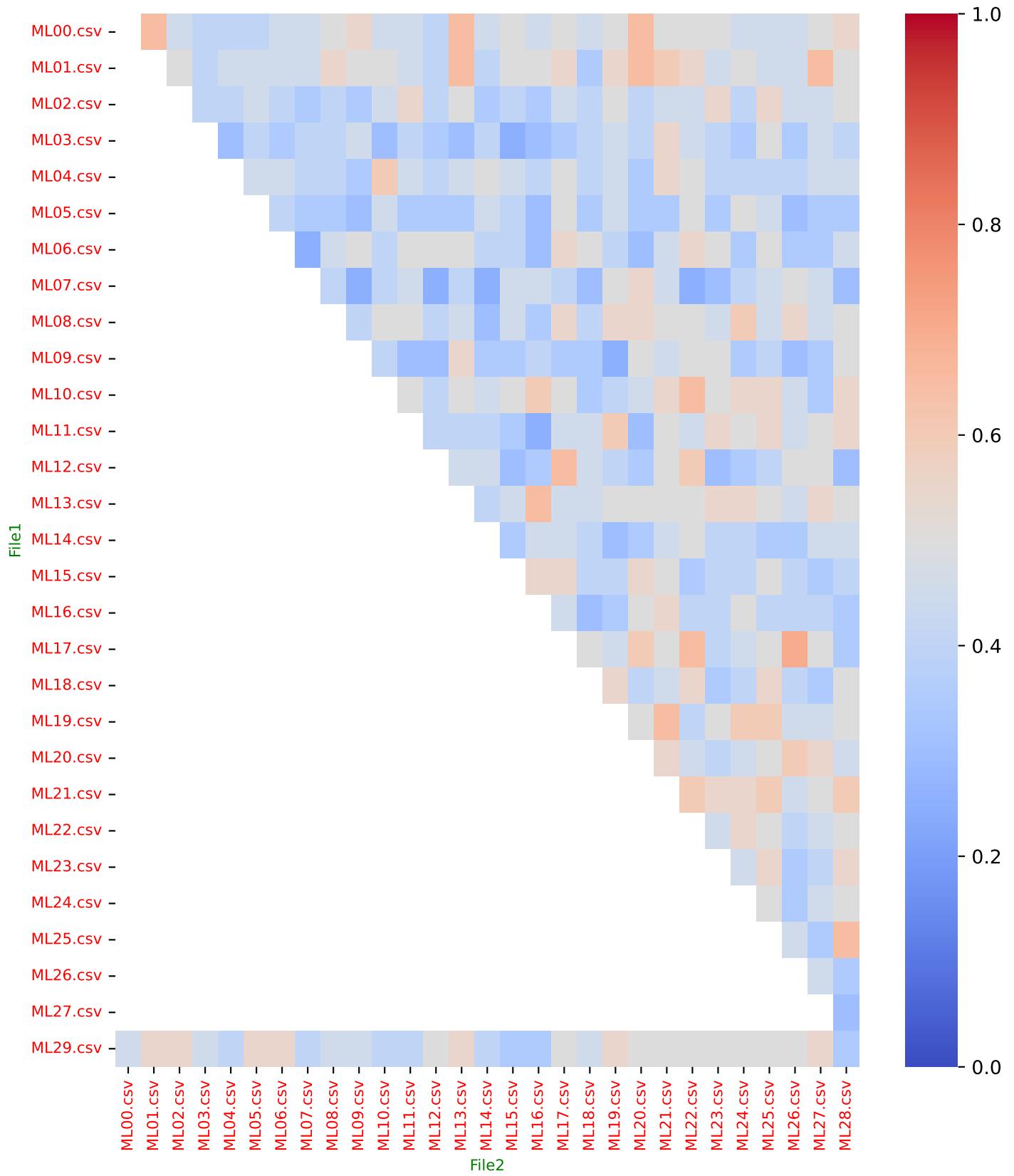


Implementation Number 134

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

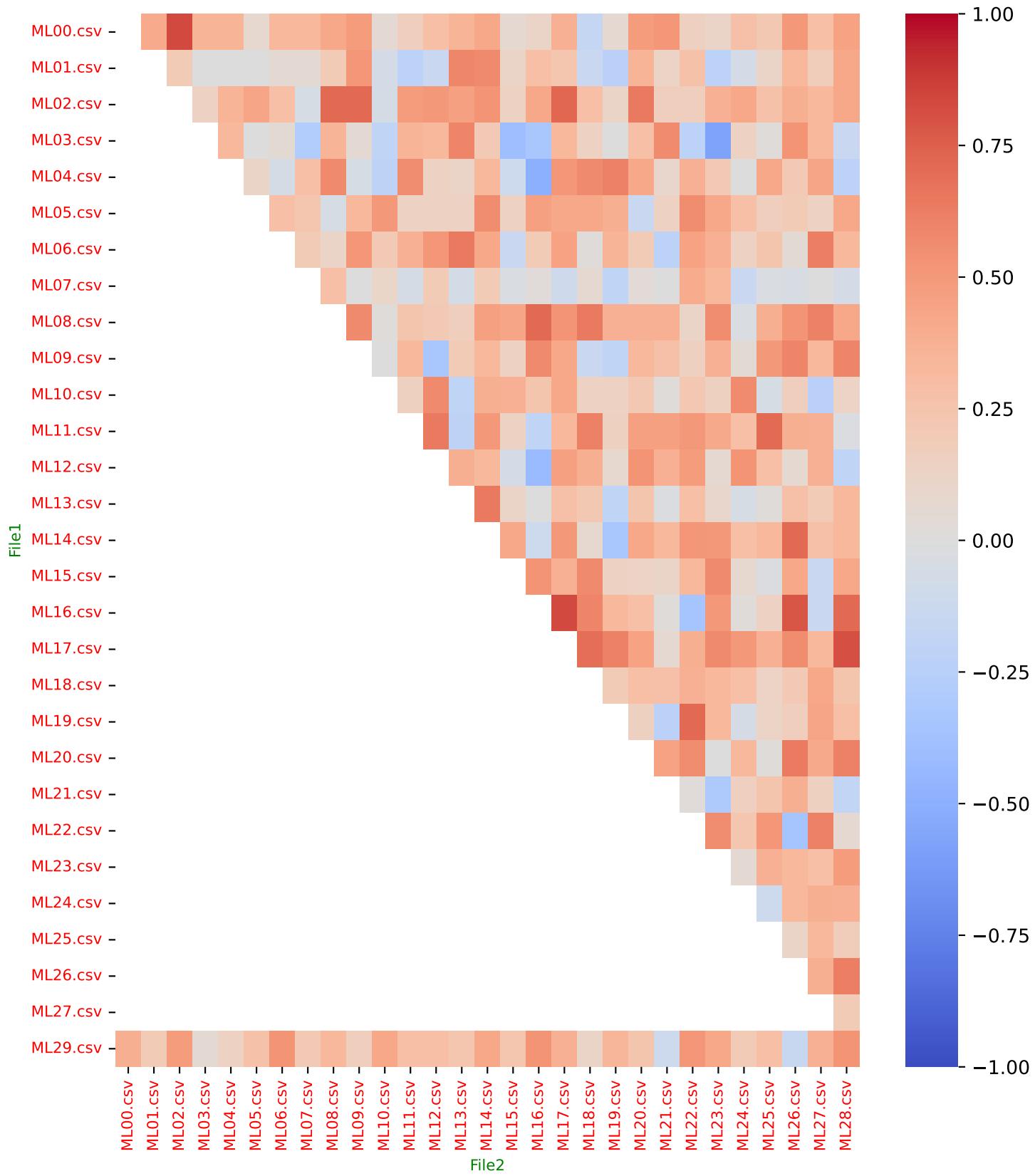


Implementation Number 134

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 135

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 30
Number of Files: 30**

Implementation Number 135

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 135

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 135

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
060.00 %	BAKON_211	00, 01, 03, 04, 05, 06, 07, 08, 10, 11, 12, 15, 16, 19, 23, 24, 26, 29
086.67 %	BAKON_422	00, 01, 02, 03, 05, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
030.00 %	BAKON_604	00, 02, 04, 08, 10, 21, 22, 23, 28
013.33 %	BAKON_239	00, 03, 07, 24
086.67 %	BAKON_478	00, 01, 02, 03, 04, 06, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29
013.33 %	BAKON_450	00, 04, 19, 27
053.33 %	BAKON_571	00, 01, 04, 06, 07, 08, 09, 12, 13, 14, 18, 20, 22, 25, 26, 27
046.67 %	BAKON_098	00, 01, 02, 07, 08, 09, 12, 13, 14, 17, 19, 20, 22, 28
080.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 11, 12, 13, 14, 15, 18, 19, 20, 21, 22, 23, 25, 26, 27, 29
030.00 %	BAKON_343	00, 01, 07, 09, 10, 14, 17, 24, 28
096.67 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
040.00 %	BAKON_425	00, 02, 03, 05, 06, 07, 14, 15, 16, 19, 20, 26
083.33 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29
090.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12, 13, 14, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
073.33 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 14, 17, 18, 20, 21, 23, 25, 26, 27, 28, 29
040.00 %	BAKON_293	00, 02, 05, 06, 12, 13, 15, 18, 21, 26, 27, 28
060.00 %	BAKON_570	00, 03, 04, 05, 06, 07, 09, 11, 12, 13, 15, 18, 20, 23, 25, 27, 28, 29
006.67 %	BAKON_475	00, 06
086.67 %	BAKON_337	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 17, 18, 20, 21, 22, 23, 24, 25, 26, 28, 29

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Global node Presence Mean (Weighted): 48.78%

Implementation Number 135

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	K_S_p	Kendall
ML29.csv	ML00.csv	0.3953	0.5667	0.8080	0.2140
ML29.csv	ML01.csv	0.3043	0.4667	0.5941	0.2747
ML29.csv	ML02.csv	0.2766	0.4333	0.3929	0.4103
ML29.csv	ML03.csv	0.3636	0.5333	0.9578	0.2167
ML29.csv	ML04.csv	0.2245	0.3667	0.9988	0.1636
ML29.csv	ML05.csv	0.3953	0.5667	0.5941	0.2206
ML29.csv	ML06.csv	0.3636	0.5333	0.8080	0.6833
ML29.csv	ML07.csv	0.2500	0.4000	0.3929	0.1515
ML29.csv	ML08.csv	0.3636	0.5333	0.8080	0.2833
ML29.csv	ML09.csv	0.2500	0.4000	0.1350	0.3636
ML29.csv	ML10.csv	0.2766	0.4333	0.8080	0.4103
ML29.csv	ML11.csv	0.3636	0.5333	0.5941	0.3833
ML29.csv	ML12.csv	0.2766	0.4333	0.9578	0.2821
ML29.csv	ML13.csv	0.3636	0.5333	0.8080	0.1333
ML29.csv	ML14.csv	0.3636	0.5333	0.5941	0.4333
ML29.csv	ML15.csv	0.2000	0.3333	0.9578	0.2000
ML29.csv	ML16.csv	0.2500	0.4000	0.9578	0.1515
ML29.csv	ML17.csv	0.3043	0.4667	0.2391	0.5824
ML29.csv	ML18.csv	0.2245	0.3667	0.0065	0.2727
ML29.csv	ML19.csv	0.3043	0.4667	0.8080	0.5165
ML29.csv	ML20.csv	0.3636	0.5333	0.5941	0.4000
ML29.csv	ML21.csv	0.2500	0.4000	0.8080	-0.1818
ML29.csv	ML22.csv	0.3333	0.5000	0.8080	0.2952
ML29.csv	ML23.csv	0.2500	0.4000	0.5941	0.5152
ML29.csv	ML24.csv	0.3333	0.5000	0.8080	0.3333
ML29.csv	ML25.csv	0.3333	0.5000	0.8080	0.5742
ML29.csv	ML26.csv	0.3953	0.5667	0.8080	0.3321
ML29.csv	ML27.csv	0.4286	0.6000	0.3929	0.5948
ML29.csv	ML28.csv	0.2766	0.4333	0.9578	0.5128
ML00.csv	ML01.csv	0.3953	0.5667	0.8080	0.1324
ML00.csv	ML02.csv	0.2500	0.4000	0.3929	0.6667
ML00.csv	ML03.csv	0.2500	0.4000	0.8080	0.5455
ML00.csv	ML04.csv	0.2766	0.4333	0.8080	0.4615
ML00.csv	ML05.csv	0.3333	0.5000	0.5941	0.1531
ML00.csv	ML06.csv	0.3953	0.5667	0.5941	0.2941

Implementation Number 135

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.3043	0.4667	0.5941	0.3846
ML00.csv	ML08.csv	0.4634	0.6333	0.8080	0.4386
ML00.csv	ML09.csv	0.3043	0.4667	0.1350	0.4945
ML00.csv	ML10.csv	0.2766	0.4333	0.9578	0.2564
ML00.csv	ML11.csv	0.3333	0.5000	0.5941	0.2762
ML00.csv	ML12.csv	0.3636	0.5333	0.9578	0.3833
ML00.csv	ML13.csv	0.4286	0.6000	0.9578	0.5033
ML00.csv	ML14.csv	0.2766	0.4333	0.9578	0.1677
ML00.csv	ML15.csv	0.3043	0.4667	0.5941	0.3187
ML00.csv	ML16.csv	0.3636	0.5333	0.9578	0.1500
ML00.csv	ML17.csv	0.3953	0.5667	0.3929	0.6029
ML00.csv	ML18.csv	0.2245	0.3667	0.2391	0.1273
ML00.csv	ML19.csv	0.3636	0.5333	0.8080	0.2333
ML00.csv	ML20.csv	0.3953	0.5667	0.1350	0.4502
ML00.csv	ML21.csv	0.3953	0.5667	0.5941	0.3824

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Global Metrics:

Mean Jaccard Coefficient (J): 0.3106

Fleiss' Kappa Agreement Index (κ_F): 0.3173

Mean KS Distance Between Pairs (D): 0.2089

Mean p-value for KS Test Pairs: 0.5855

Mean KS Distance for Multiple Samples (D_{mult}): 0.1513

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5430

Mean Kendall Tau ($\bar{\tau}$): 0.2724

Median Kendall Tau ($\tilde{\tau}$): 0.2833

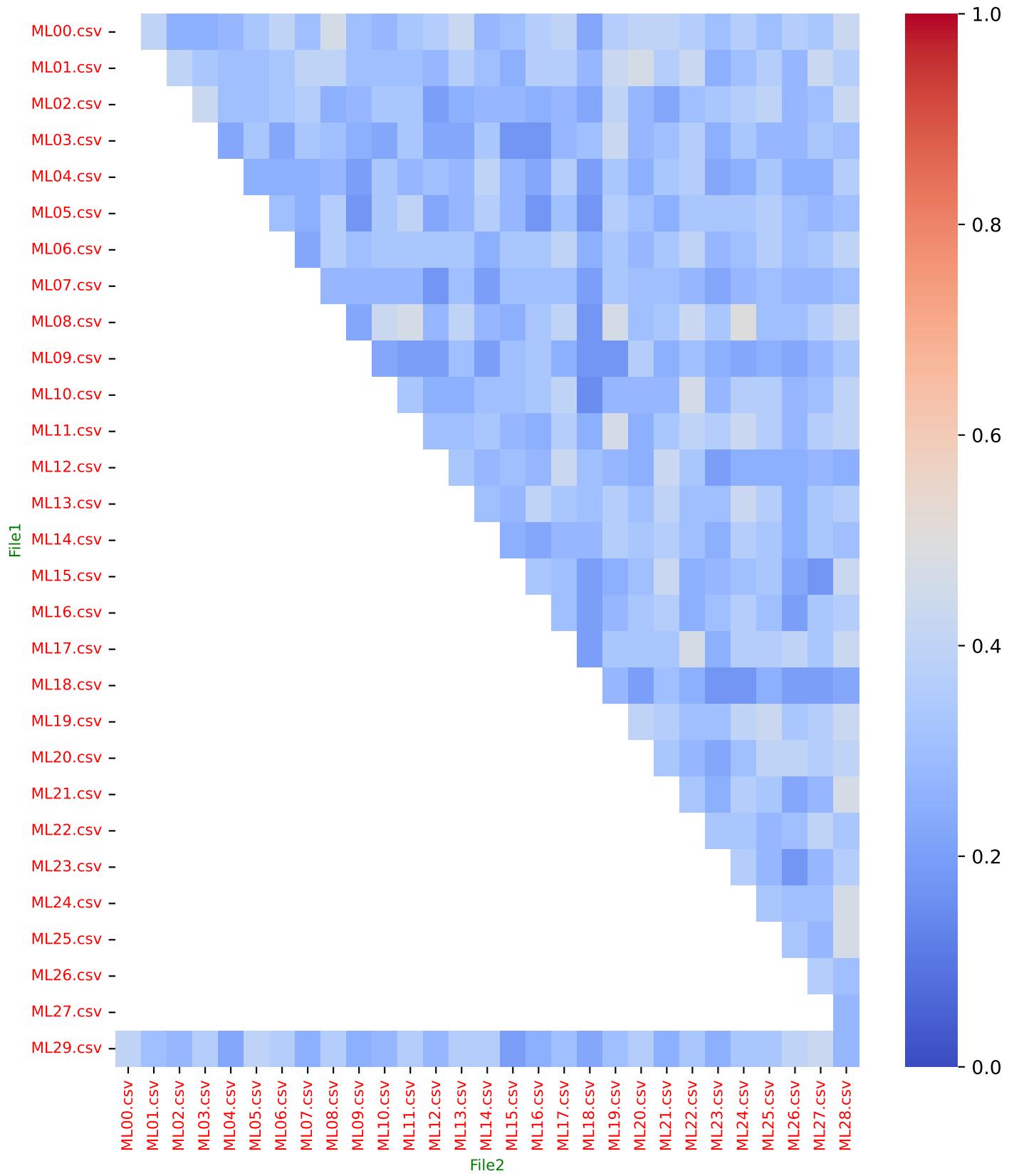
Percentage of Pairs with $\tau > 0$: 90.57%

Implementation Number 135

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

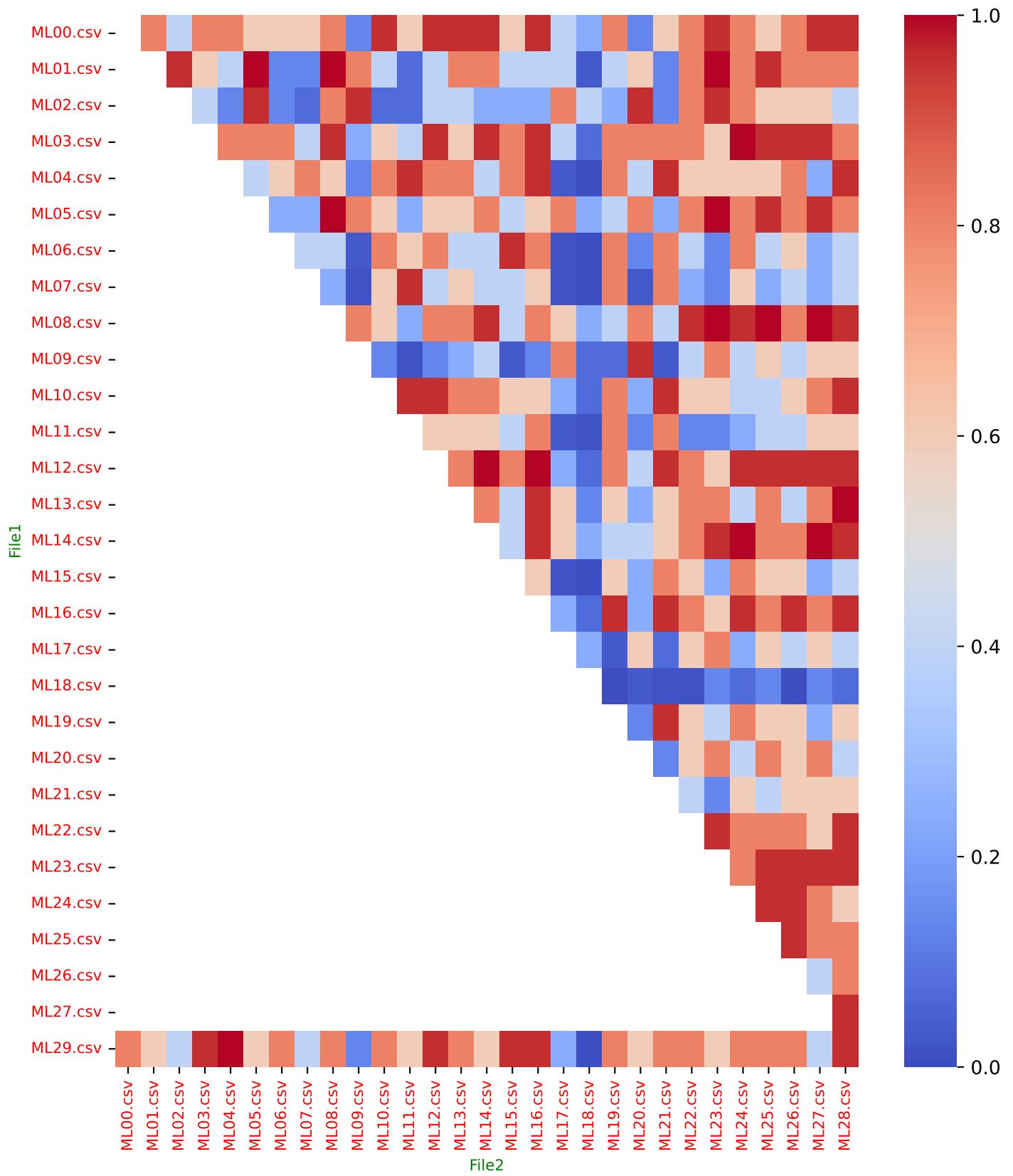


Implementation Number 135

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

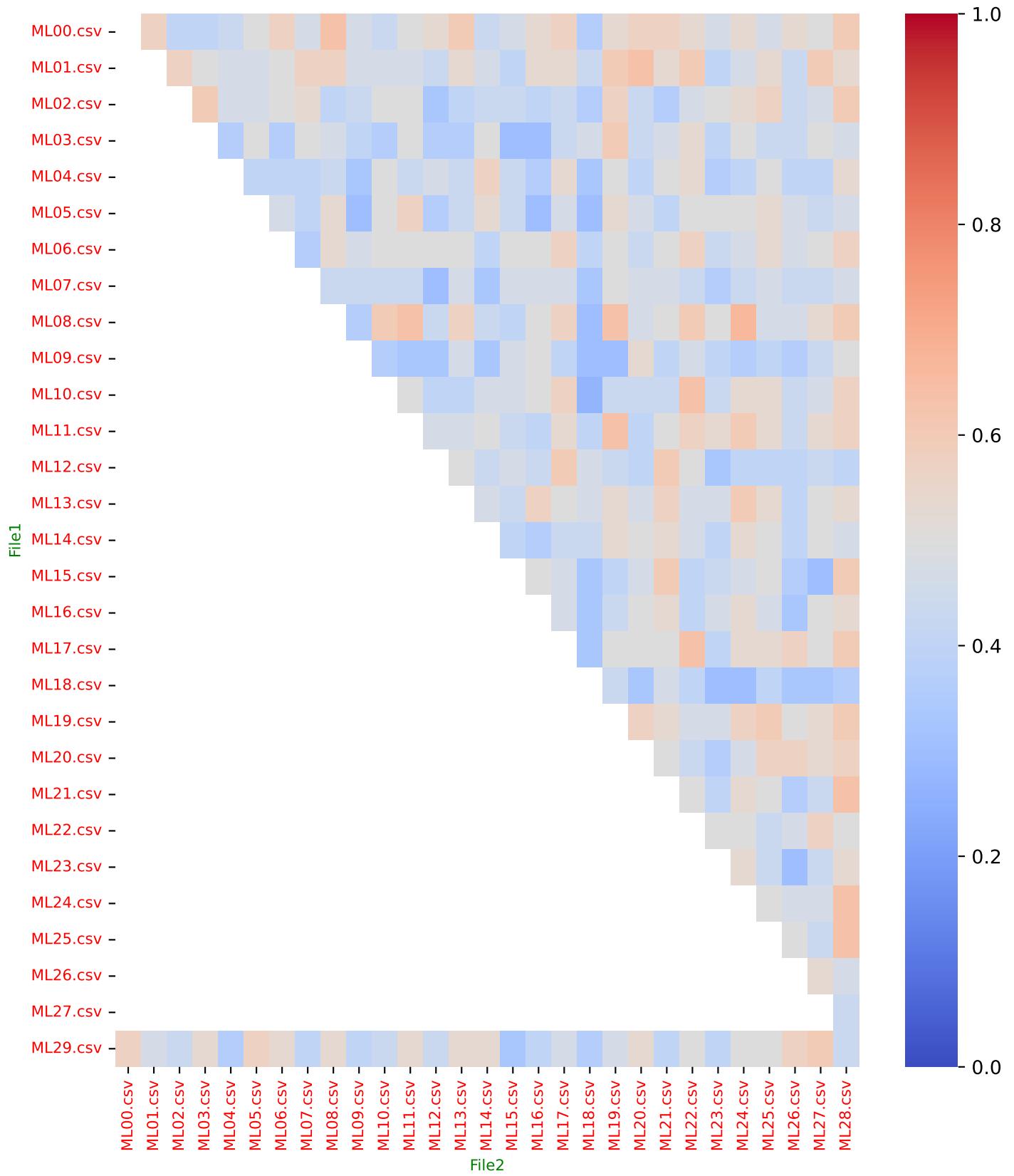


Implementation Number 135

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

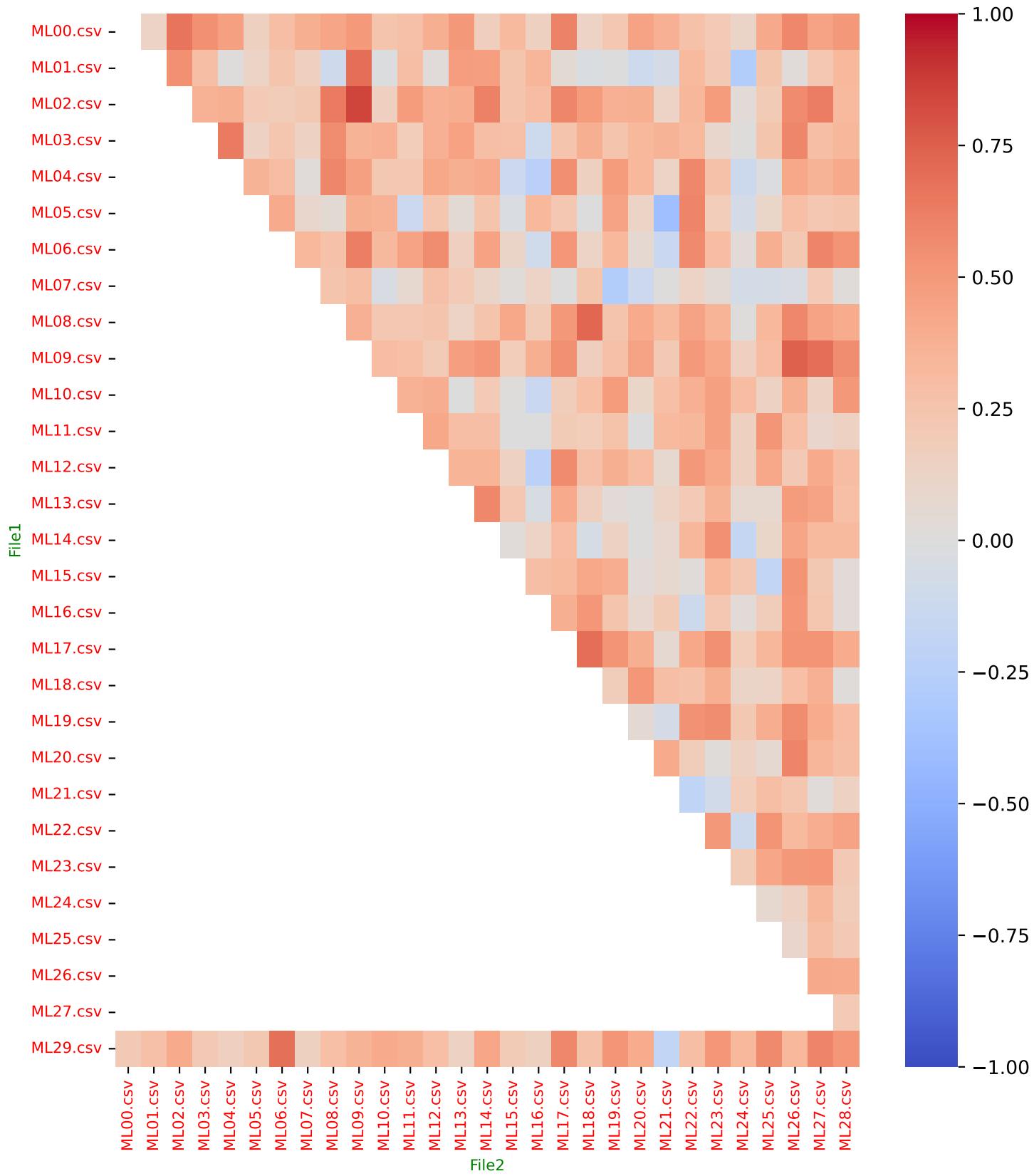


Implementation Number 135

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 136

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 50
Number of Files: 30**

Implementation Number 136

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 136

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 136

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
076.67 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 19, 21, 23, 24, 25, 26, 29
096.67 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
056.67 %	BAKON_604	00, 02, 04, 07, 08, 10, 11, 12, 13, 18, 20, 21, 22, 23, 24, 27, 28
023.33 %	BAKON_239	00, 03, 04, 07, 10, 16, 24
093.33 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
026.67 %	BAKON_450	00, 04, 05, 06, 09, 17, 19, 27
060.00 %	BAKON_571	00, 01, 04, 06, 07, 08, 09, 12, 13, 14, 16, 17, 18, 20, 22, 25, 26, 27
056.67 %	BAKON_098	00, 01, 02, 07, 08, 09, 12, 13, 14, 17, 19, 20, 21, 22, 24, 28, 29
090.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 29
040.00 %	BAKON_343	00, 01, 04, 07, 09, 10, 14, 17, 24, 25, 26, 28
096.67 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
083.33 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12, 14, 15, 16, 18, 19, 20, 21, 22, 24, 25, 26, 27, 29
083.33 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29
093.33 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
083.33 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 15, 17, 18, 20, 21, 23, 25, 26, 27, 28, 29
050.00 %	BAKON_293	00, 02, 05, 06, 12, 13, 14, 15, 18, 21, 23, 25, 26, 27, 28
083.33 %	BAKON_570	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 23, 25, 27, 28, 29
013.33 %	BAKON_475	00, 06, 14, 28

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Global node Presence Mean (Weighted): 55.31%

Implementation Number 136

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.3333	0.5000	0.0217	0.3907
ML29.csv	ML01.csv	0.4085	0.5800	0.5487	0.2069
ML29.csv	ML02.csv	0.3514	0.5200	0.0678	0.6040
ML29.csv	ML03.csv	0.4085	0.5800	0.3959	0.2759
ML29.csv	ML04.csv	0.3333	0.5000	0.9667	0.2571
ML29.csv	ML05.csv	0.3514	0.5200	0.2719	0.2404
ML29.csv	ML06.csv	0.4925	0.6600	0.9667	0.4190
ML29.csv	ML07.csv	0.3333	0.5000	0.7166	0.2972
ML29.csv	ML08.csv	0.4085	0.5800	0.1786	0.2217
ML29.csv	ML09.csv	0.3699	0.5400	0.3959	0.3024
ML29.csv	ML10.csv	0.3158	0.4800	0.1124	0.1957
ML29.csv	ML11.csv	0.3514	0.5200	0.1124	0.2738
ML29.csv	ML12.csv	0.3333	0.5000	0.3959	0.4800
ML29.csv	ML13.csv	0.4493	0.6200	0.3959	0.3548
ML29.csv	ML14.csv	0.3889	0.5600	0.3959	0.2857
ML29.csv	ML15.csv	0.3158	0.4800	0.9977	0.1377
ML29.csv	ML16.csv	0.3514	0.5200	0.1124	0.2246
ML29.csv	ML17.csv	0.3514	0.5200	0.2719	0.3723
ML29.csv	ML18.csv	0.2500	0.4000	0.0058	0.4316
ML29.csv	ML19.csv	0.3514	0.5200	0.9667	0.2800
ML29.csv	ML20.csv	0.3889	0.5600	0.1786	0.1323
ML29.csv	ML21.csv	0.3514	0.5200	0.5487	0.2677
ML29.csv	ML22.csv	0.3514	0.5200	0.8693	0.4277
ML29.csv	ML23.csv	0.3514	0.5200	0.0678	0.4215
ML29.csv	ML24.csv	0.4085	0.5800	0.0392	0.2562
ML29.csv	ML25.csv	0.4286	0.6000	0.1786	0.4511
ML29.csv	ML26.csv	0.4286	0.6000	0.7166	0.3867
ML29.csv	ML27.csv	0.3514	0.5200	0.2719	0.5385
ML29.csv	ML28.csv	0.4286	0.6000	0.2719	0.2046
ML00.csv	ML01.csv	0.4493	0.6200	0.2719	0.0904
ML00.csv	ML02.csv	0.3699	0.5400	0.7166	0.5670
ML00.csv	ML03.csv	0.4286	0.6000	0.1786	0.2762
ML00.csv	ML04.csv	0.3514	0.5200	0.1786	0.1849
ML00.csv	ML05.csv	0.3333	0.5000	0.0678	0.3038
ML00.csv	ML06.csv	0.4493	0.6200	0.0217	0.3445

Implementation Number 136

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.4493	0.6200	0.0217	0.2110
ML00.csv	ML08.csv	0.4085	0.5800	0.2719	0.4828
ML00.csv	ML09.csv	0.3889	0.5600	0.0058	0.3682
ML00.csv	ML10.csv	0.3514	0.5200	0.2719	0.3477
ML00.csv	ML11.csv	0.2987	0.4600	0.0392	0.6364
ML00.csv	ML12.csv	0.4493	0.6200	0.0115	0.2583
ML00.csv	ML13.csv	0.3699	0.5400	0.5487	0.4359
ML00.csv	ML14.csv	0.3514	0.5200	0.1786	0.1602
ML00.csv	ML15.csv	0.4286	0.6000	0.0058	0.3793
ML00.csv	ML16.csv	0.4085	0.5800	0.0217	0.2512
ML00.csv	ML17.csv	0.4085	0.5800	0.0392	0.5222
ML00.csv	ML18.csv	0.3333	0.5000	0.5487	0.3105
ML00.csv	ML19.csv	0.3514	0.5200	0.0678	0.3600
ML00.csv	ML20.csv	0.4286	0.6000	0.1786	0.4511
ML00.csv	ML21.csv	0.3889	0.5600	0.0392	0.2646

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Global Metrics:

Mean Jaccard Coefficient (J): 0.3699

Fleiss' Kappa Agreement Index (κ_F): 0.3626

Mean KS Distance Between Pairs (D): 0.1787

Mean p-value for KS Test Pairs: 0.4795

Mean KS Distance for Multiple Samples (D_{mult}): 0.1281

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.4623

Mean Kendall Tau ($\bar{\tau}$): 0.3027

Median Kendall Tau ($\tilde{\tau}$): 0.2992

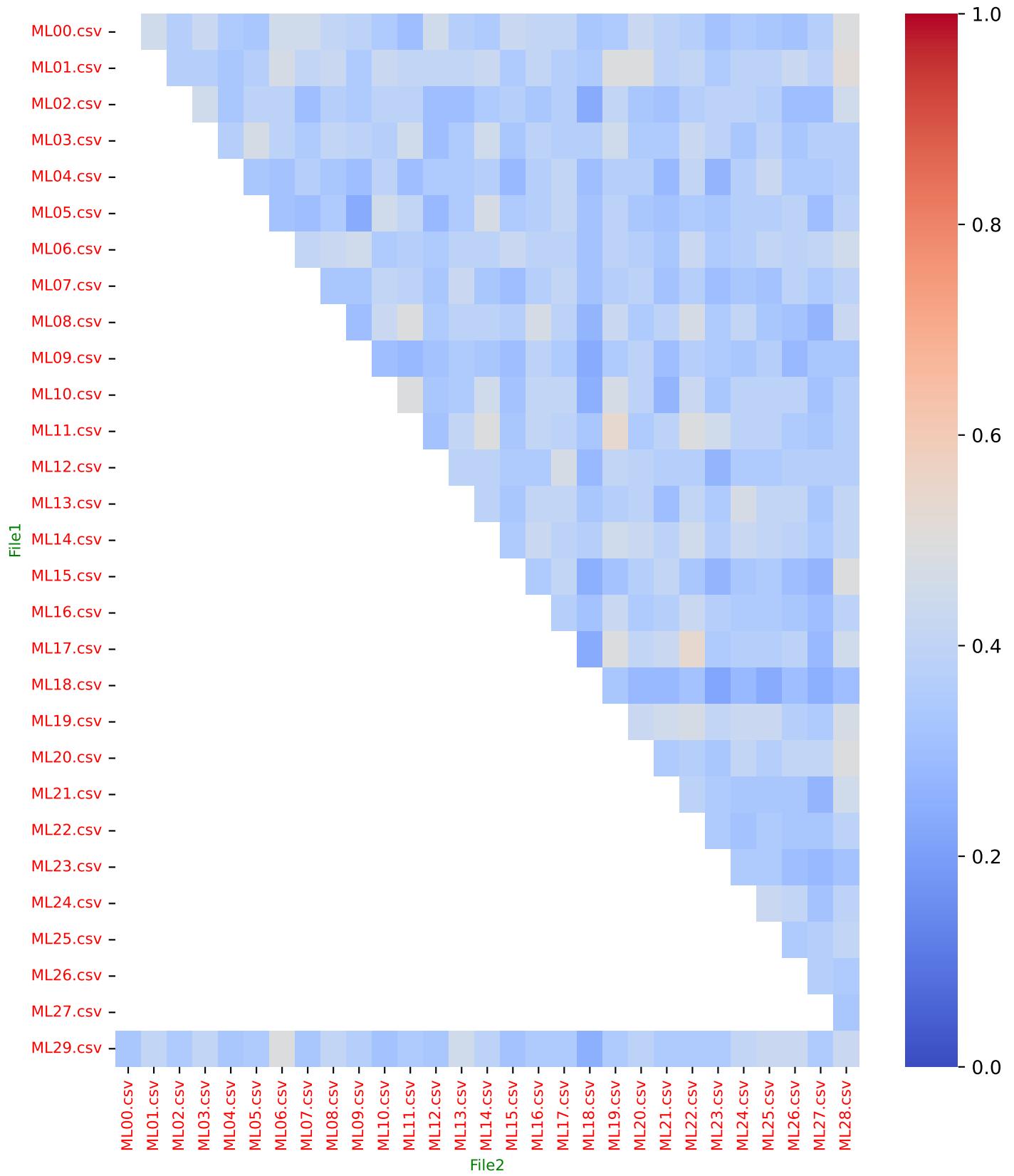
Percentage of Pairs with $\tau > 0$: 99.08%

Implementation Number 136

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

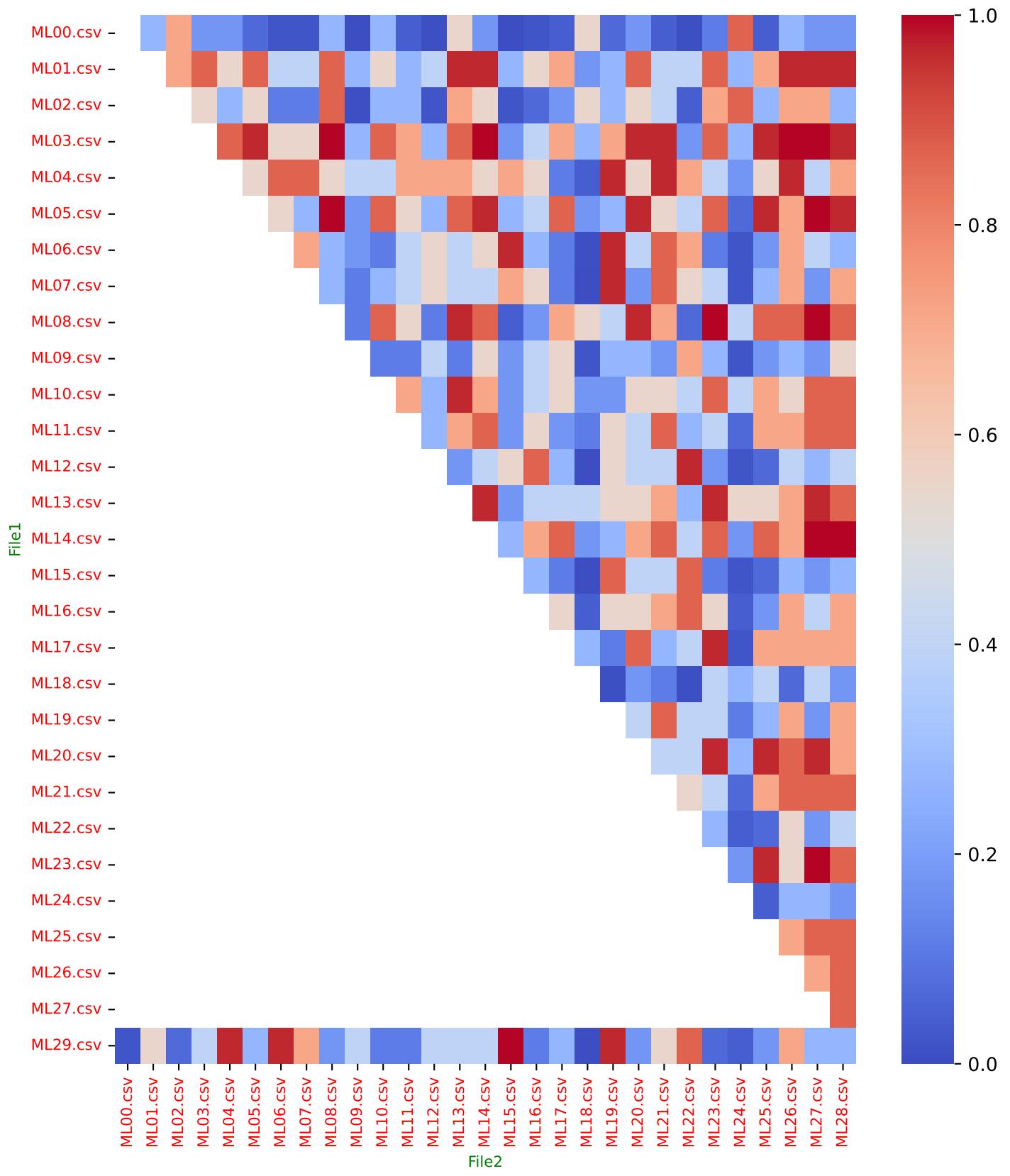


Implementation Number 136

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

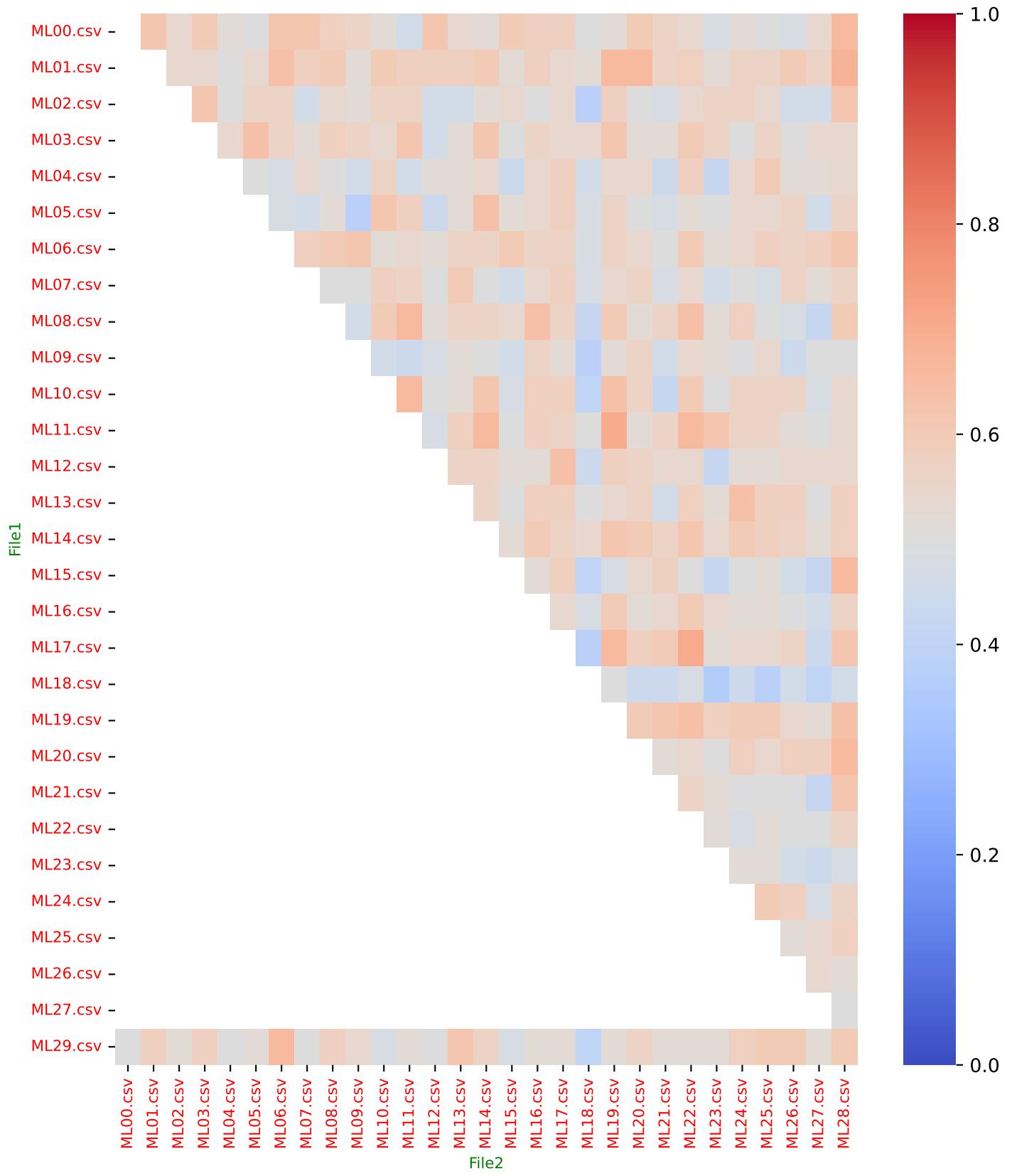


Implementation Number 136

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

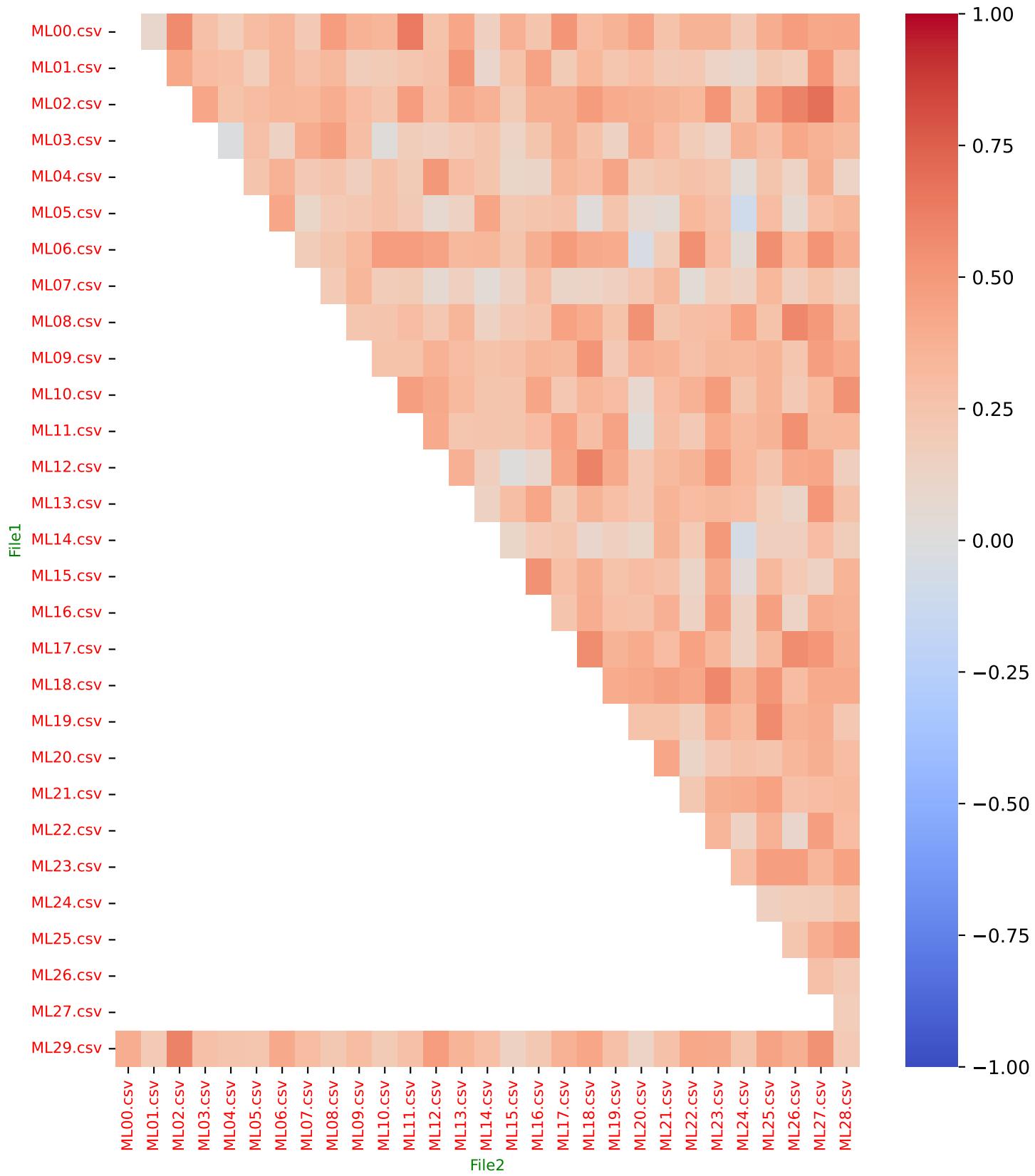


Implementation Number 136

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 137

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 100
Number of Files: 30**

Implementation Number 137

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 137

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 137

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
093.33 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 29
100.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
096.67 %	BAKON_604	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
046.67 %	BAKON_239	00, 02, 03, 04, 06, 07, 10, 14, 16, 20, 23, 24, 27, 28
100.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
080.00 %	BAKON_450	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 16, 17, 18, 19, 21, 23, 24, 25, 27, 28
083.33 %	BAKON_571	00, 01, 03, 04, 06, 07, 08, 09, 11, 12, 13, 14, 15, 16, 17, 18, 20, 22, 23, 24, 25, 26, 27, 28, 29
086.67 %	BAKON_098	00, 01, 02, 03, 04, 05, 07, 08, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 27, 28, 29
093.33 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29
046.67 %	BAKON_343	00, 01, 02, 04, 07, 09, 10, 14, 17, 19, 24, 25, 26, 28
096.67 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
100.00 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
083.33 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29
100.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
096.67 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29

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Global node Presence Mean (Weighted): 65.85%

Implementation Number 137

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.4184	0.5900	0.1548	0.3578
ML29.csv	ML01.csv	0.5267	0.6900	0.9084	0.2920
ML29.csv	ML02.csv	0.4388	0.6100	0.2819	0.3088
ML29.csv	ML03.csv	0.4388	0.6100	0.3682	0.3366
ML29.csv	ML04.csv	0.4184	0.5900	0.9684	0.3625
ML29.csv	ML05.csv	0.4706	0.6400	0.2112	0.3359
ML29.csv	ML06.csv	0.5038	0.6700	0.9684	0.5012
ML29.csv	ML07.csv	0.4184	0.5900	0.8154	0.2736
ML29.csv	ML08.csv	0.4706	0.6400	0.3682	0.3226
ML29.csv	ML09.csv	0.5152	0.6800	0.5830	0.3886
ML29.csv	ML10.csv	0.4184	0.5900	0.2819	0.3910
ML29.csv	ML11.csv	0.4599	0.6300	0.4695	0.4384
ML29.csv	ML12.csv	0.4599	0.6300	0.8154	0.3108
ML29.csv	ML13.csv	0.5504	0.7100	0.7021	0.3046
ML29.csv	ML14.csv	0.5385	0.7000	0.2112	0.3562
ML29.csv	ML15.csv	0.4388	0.6100	0.4695	0.1902
ML29.csv	ML16.csv	0.4815	0.6500	0.4695	0.2635
ML29.csv	ML17.csv	0.5038	0.6700	0.7021	0.3360
ML29.csv	ML18.csv	0.3986	0.5700	0.1112	0.1654
ML29.csv	ML19.csv	0.4388	0.6100	0.1112	0.2831
ML29.csv	ML20.csv	0.4388	0.6100	0.5830	0.2918
ML29.csv	ML21.csv	0.5038	0.6700	0.4695	0.3605
ML29.csv	ML22.csv	0.4925	0.6600	0.7021	0.3764
ML29.csv	ML23.csv	0.5267	0.6900	0.0241	0.3279
ML29.csv	ML24.csv	0.4925	0.6600	0.2112	0.2238
ML29.csv	ML25.csv	0.4388	0.6100	0.5830	0.4324
ML29.csv	ML26.csv	0.4706	0.6400	0.0539	0.3806
ML29.csv	ML27.csv	0.4706	0.6400	0.7021	0.3686
ML29.csv	ML28.csv	0.4925	0.6600	0.7021	0.2173
ML00.csv	ML01.csv	0.5385	0.7000	0.1548	0.3090
ML00.csv	ML02.csv	0.4706	0.6400	0.5830	0.2877
ML00.csv	ML03.csv	0.4493	0.6200	0.5830	0.2782
ML00.csv	ML04.csv	0.4184	0.5900	0.5830	0.2888
ML00.csv	ML05.csv	0.3986	0.5700	0.2819	0.2470
ML00.csv	ML06.csv	0.5152	0.6800	0.2112	0.3649

Implementation Number 137

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.4706	0.6400	0.0156	0.3200
ML00.csv	ML08.csv	0.4706	0.6400	0.7021	0.3746
ML00.csv	ML09.csv	0.4706	0.6400	0.0364	0.4268
ML00.csv	ML10.csv	0.3986	0.5700	0.7021	0.3441
ML00.csv	ML11.csv	0.4184	0.5900	0.2819	0.2589
ML00.csv	ML12.csv	0.4493	0.6200	0.0782	0.4687
ML00.csv	ML13.csv	0.4815	0.6500	0.9084	0.3265
ML00.csv	ML14.csv	0.4493	0.6200	0.5830	0.3110
ML00.csv	ML15.csv	0.4815	0.6500	0.1112	0.4000
ML00.csv	ML16.csv	0.4925	0.6600	0.0539	0.2900
ML00.csv	ML17.csv	0.5748	0.7300	0.1112	0.3414
ML00.csv	ML18.csv	0.4599	0.6300	0.9084	0.2069
ML00.csv	ML19.csv	0.4493	0.6200	0.3682	0.3100
ML00.csv	ML20.csv	0.4599	0.6300	0.5830	0.4169
ML00.csv	ML21.csv	0.4815	0.6500	0.2819	0.2275

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Global Metrics:

Mean Jaccard Coefficient (J): 0.4792

Fleiss' Kappa Agreement Index (κF): 0.4504

Mean KS Distance Between Pairs (D): 0.1207

Mean p-value for KS Test Pairs: 0.5090

Mean KS Distance for Multiple Samples (D_{mult}): 0.0867

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.4821

Mean Kendall Tau ($\bar{\tau}$): 0.3203

Median Kendall Tau ($\tilde{\tau}$): 0.3169

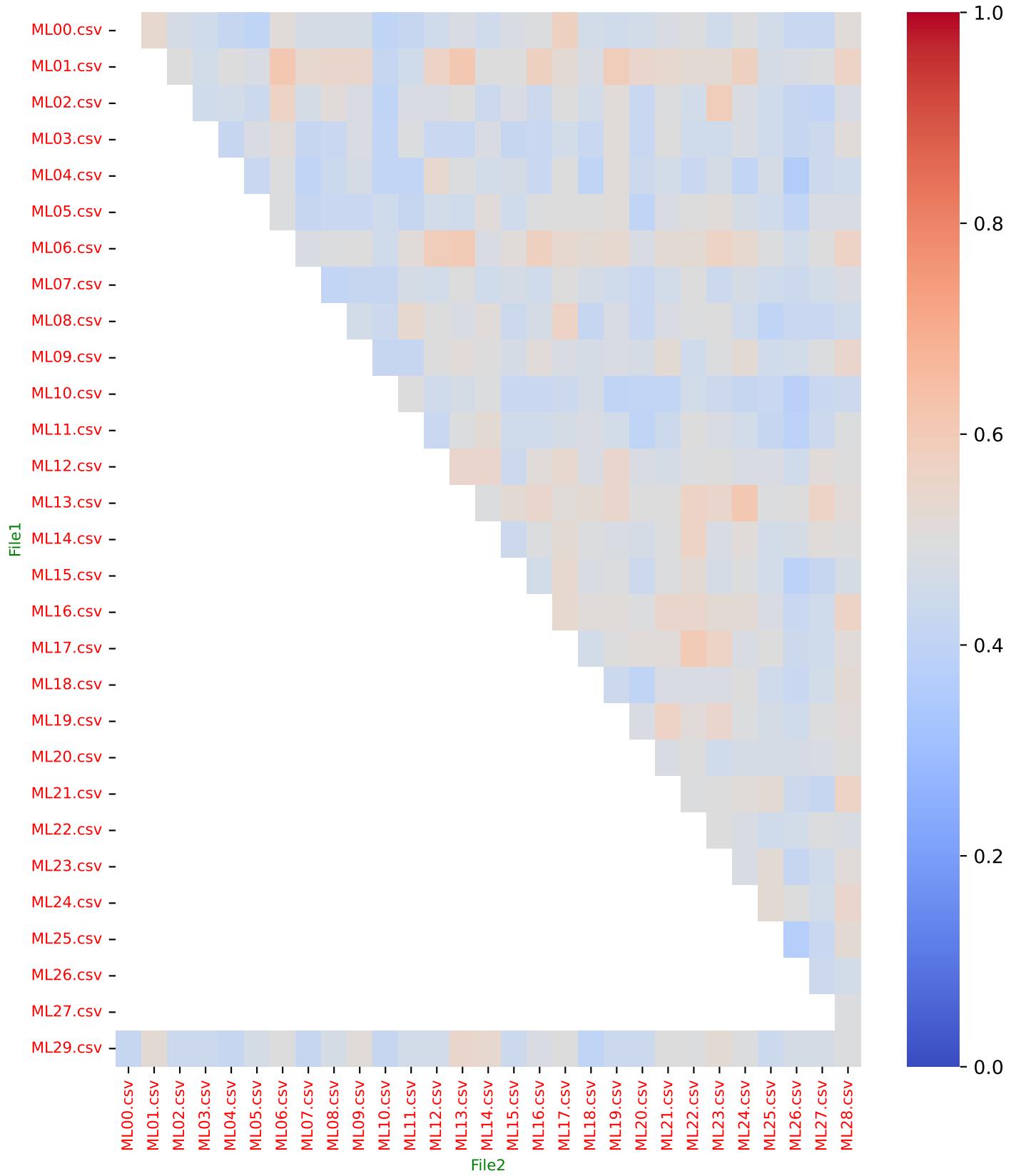
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 137

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

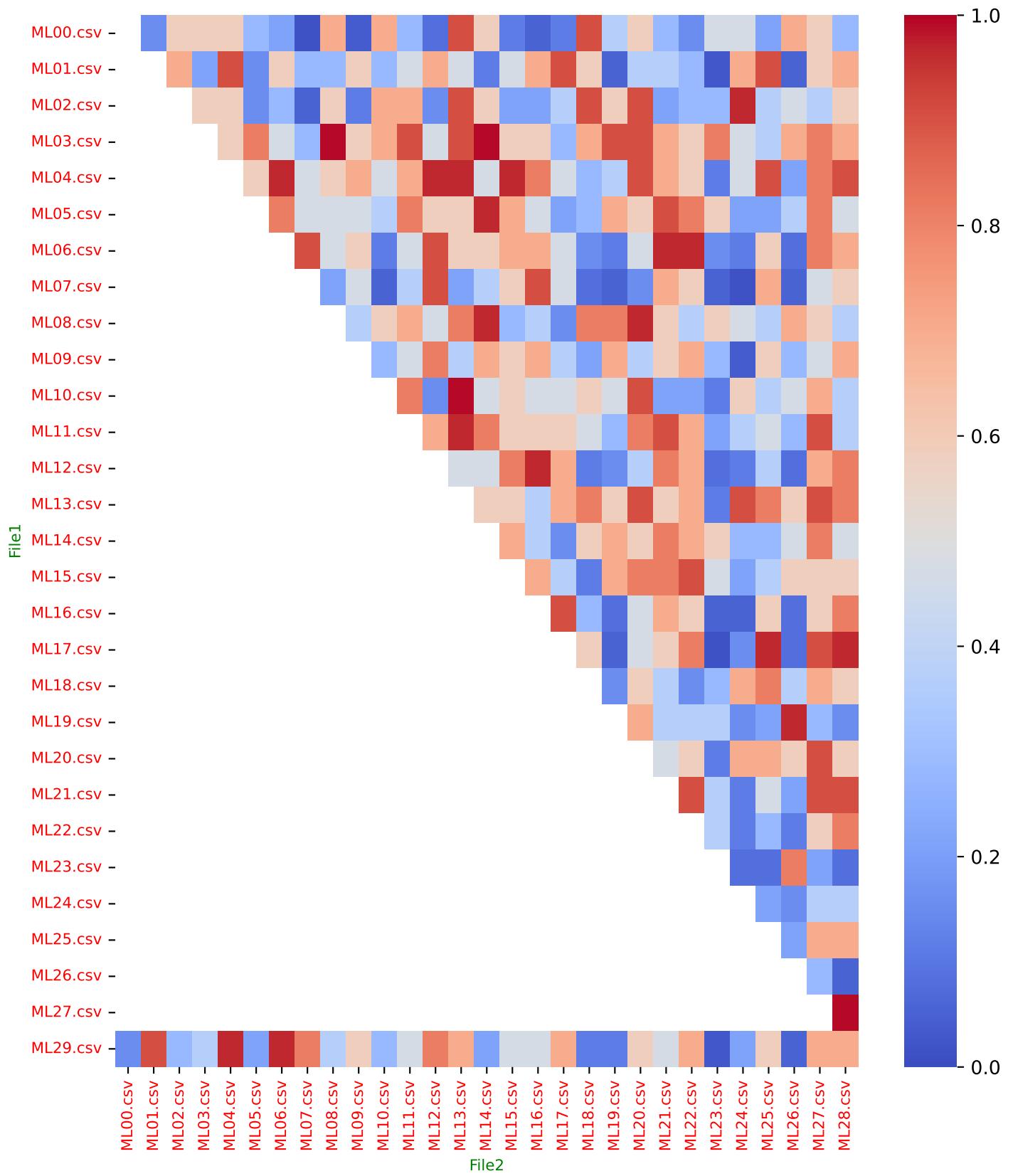


Implementation Number 137

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

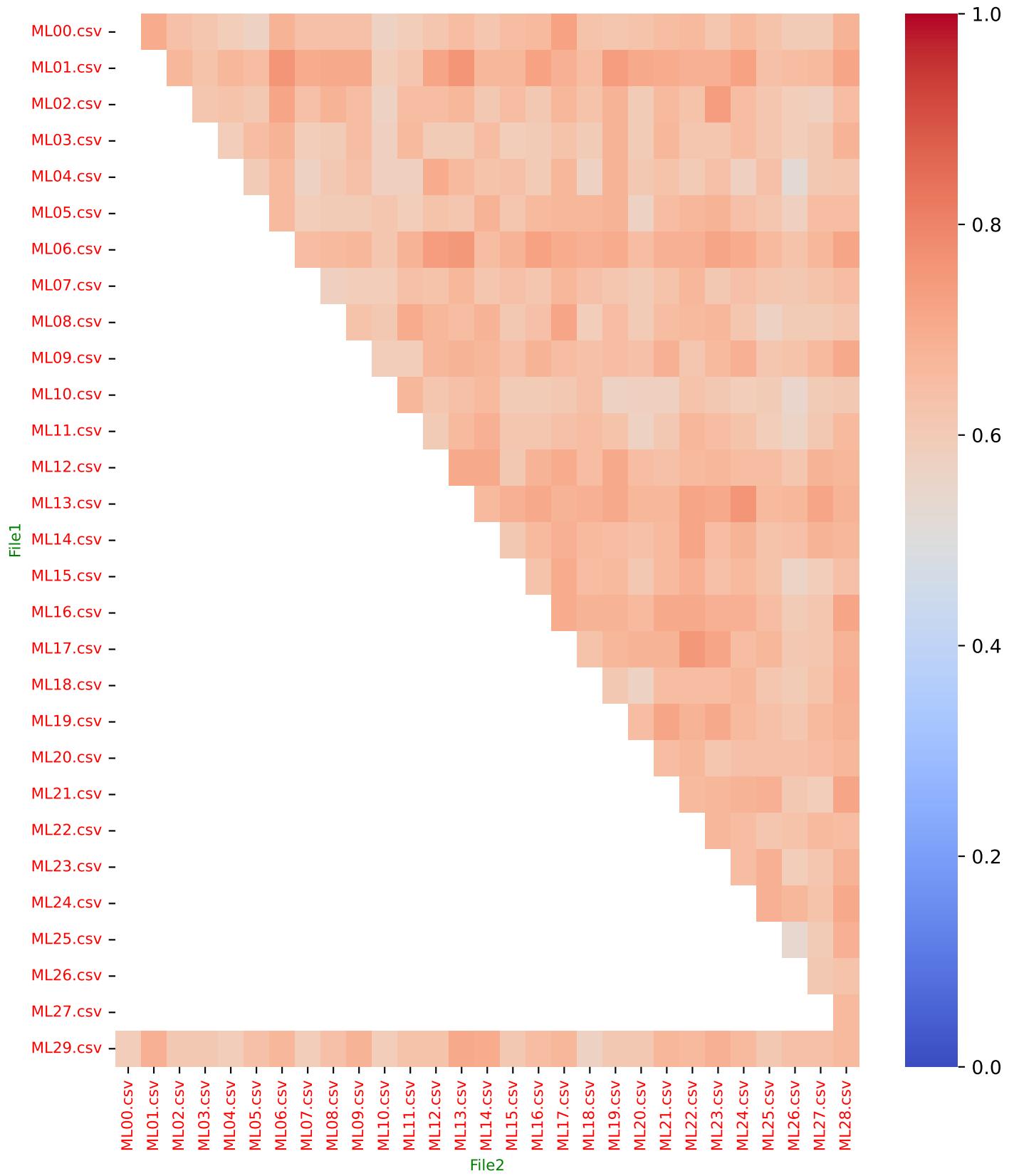


Implementation Number 137

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

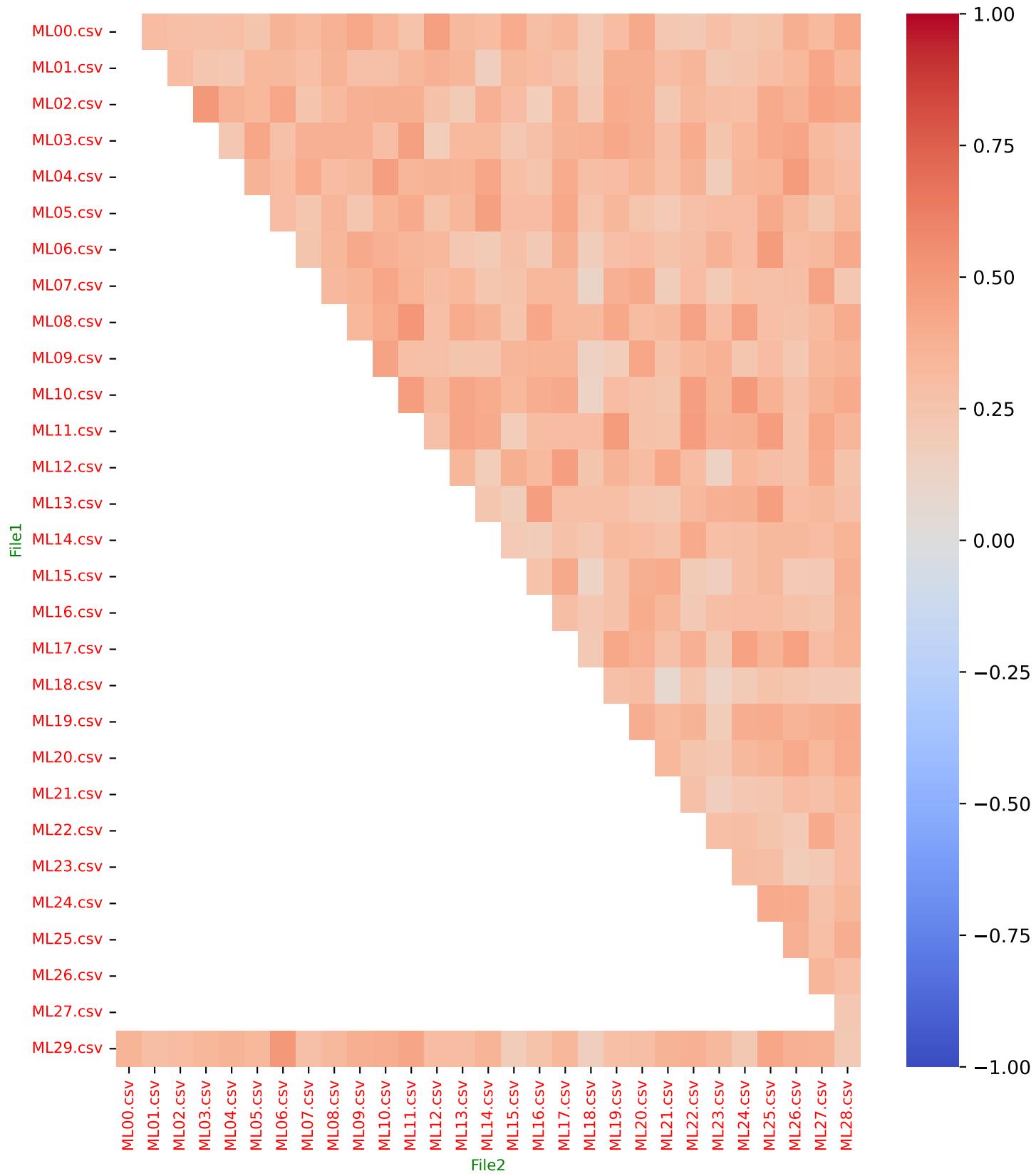


Implementation Number 137

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 138

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 200
Number of Files: 30**

Implementation Number 138

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 138

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 138

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
096.67 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29
100.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
100.00 %	BAKON_604	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
056.67 %	BAKON_239	00, 01, 02, 03, 04, 06, 07, 10, 14, 16, 18, 20, 21, 23, 24, 27, 28
100.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
083.33 %	BAKON_450	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 16, 17, 18, 19, 21, 23, 24, 25, 26, 27, 28
100.00 %	BAKON_571	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
100.00 %	BAKON_098	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
100.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
046.67 %	BAKON_343	00, 01, 02, 04, 07, 09, 10, 14, 17, 19, 24, 25, 26, 28
096.67 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29

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Global node Presence Mean (Weighted): 74.54%

Implementation Number 138

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.5326	0.6950	0.5453	0.3664
ML29.csv	ML01.csv	0.5873	0.7400	0.6284	0.3863
ML29.csv	ML02.csv	0.5686	0.7250	0.3281	0.3429
ML29.csv	ML03.csv	0.5873	0.7400	0.7934	0.3943
ML29.csv	ML04.csv	0.5810	0.7350	0.5453	0.2899
ML29.csv	ML05.csv	0.5686	0.7250	0.0680	0.4394
ML29.csv	ML06.csv	0.6064	0.7550	0.2705	0.5025
ML29.csv	ML07.csv	0.5810	0.7350	0.9647	0.4224
ML29.csv	ML08.csv	0.5444	0.7050	0.2205	0.3936
ML29.csv	ML09.csv	0.6260	0.7700	0.7934	0.4101
ML29.csv	ML10.csv	0.5625	0.7200	0.7126	0.3352
ML29.csv	ML11.csv	0.5748	0.7300	0.6284	0.4139
ML29.csv	ML12.csv	0.5748	0.7300	0.0396	0.3882
ML29.csv	ML13.csv	0.6529	0.7900	0.0680	0.5118
ML29.csv	ML14.csv	0.6129	0.7600	0.2705	0.4418
ML29.csv	ML15.csv	0.6000	0.7500	0.4663	0.3453
ML29.csv	ML16.csv	0.6129	0.7600	0.7934	0.3998
ML29.csv	ML17.csv	0.5873	0.7400	0.0221	0.4305
ML29.csv	ML18.csv	0.5625	0.7200	0.0297	0.3066
ML29.csv	ML19.csv	0.5385	0.7000	0.3935	0.3683
ML29.csv	ML20.csv	0.5936	0.7450	0.7126	0.3792
ML29.csv	ML21.csv	0.5936	0.7450	0.3935	0.4146
ML29.csv	ML22.csv	0.6327	0.7750	0.1123	0.4579
ML29.csv	ML23.csv	0.6667	0.8000	0.2205	0.4246
ML29.csv	ML24.csv	0.5385	0.7000	0.6284	0.4022
ML29.csv	ML25.csv	0.5936	0.7450	0.7934	0.3780
ML29.csv	ML26.csv	0.6000	0.7500	0.3281	0.3960
ML29.csv	ML27.csv	0.6667	0.8000	0.9238	0.4446
ML29.csv	ML28.csv	0.6064	0.7550	0.5453	0.4045
ML00.csv	ML01.csv	0.6064	0.7550	0.1123	0.4338
ML00.csv	ML02.csv	0.5209	0.6850	0.7934	0.3640
ML00.csv	ML03.csv	0.6129	0.7600	0.9238	0.4193
ML00.csv	ML04.csv	0.5564	0.7150	0.9238	0.3800
ML00.csv	ML05.csv	0.5152	0.6800	0.5453	0.3228
ML00.csv	ML06.csv	0.5748	0.7300	0.6284	0.4819

Implementation Number 138

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.5936	0.7450	0.1779	0.3655
ML00.csv	ML08.csv	0.5748	0.7300	0.7126	0.4258
ML00.csv	ML09.csv	0.5444	0.7050	0.1123	0.3919
ML00.csv	ML10.csv	0.5564	0.7150	0.7934	0.3307
ML00.csv	ML11.csv	0.5504	0.7100	0.7126	0.3387
ML00.csv	ML12.csv	0.5625	0.7200	0.1123	0.4460
ML00.csv	ML13.csv	0.5936	0.7450	0.2705	0.4137
ML00.csv	ML14.csv	0.5326	0.6950	0.7126	0.3575
ML00.csv	ML15.csv	0.5625	0.7200	0.4663	0.4673
ML00.csv	ML16.csv	0.5810	0.7350	0.3281	0.3970
ML00.csv	ML17.csv	0.5810	0.7350	0.0680	0.5664
ML00.csv	ML18.csv	0.5936	0.7450	0.1421	0.3566
ML00.csv	ML19.csv	0.5564	0.7150	0.7934	0.4144
ML00.csv	ML20.csv	0.5625	0.7200	0.7126	0.4365
ML00.csv	ML21.csv	0.5936	0.7450	0.7126	0.4261

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Global Metrics:

Mean Jaccard Coefficient (J): 0.5837

Fleiss' Kappa Agreement Index (κ_F): 0.4870

Mean KS Distance Between Pairs (D): 0.0910

Mean p-value for KS Test Pairs: 0.4658

Mean KS Distance for Multiple Samples (D_{mult}): 0.0640

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.4786

Mean Kendall Tau ($\bar{\tau}$): 0.3977

Median Kendall Tau ($\tilde{\tau}$): 0.3983

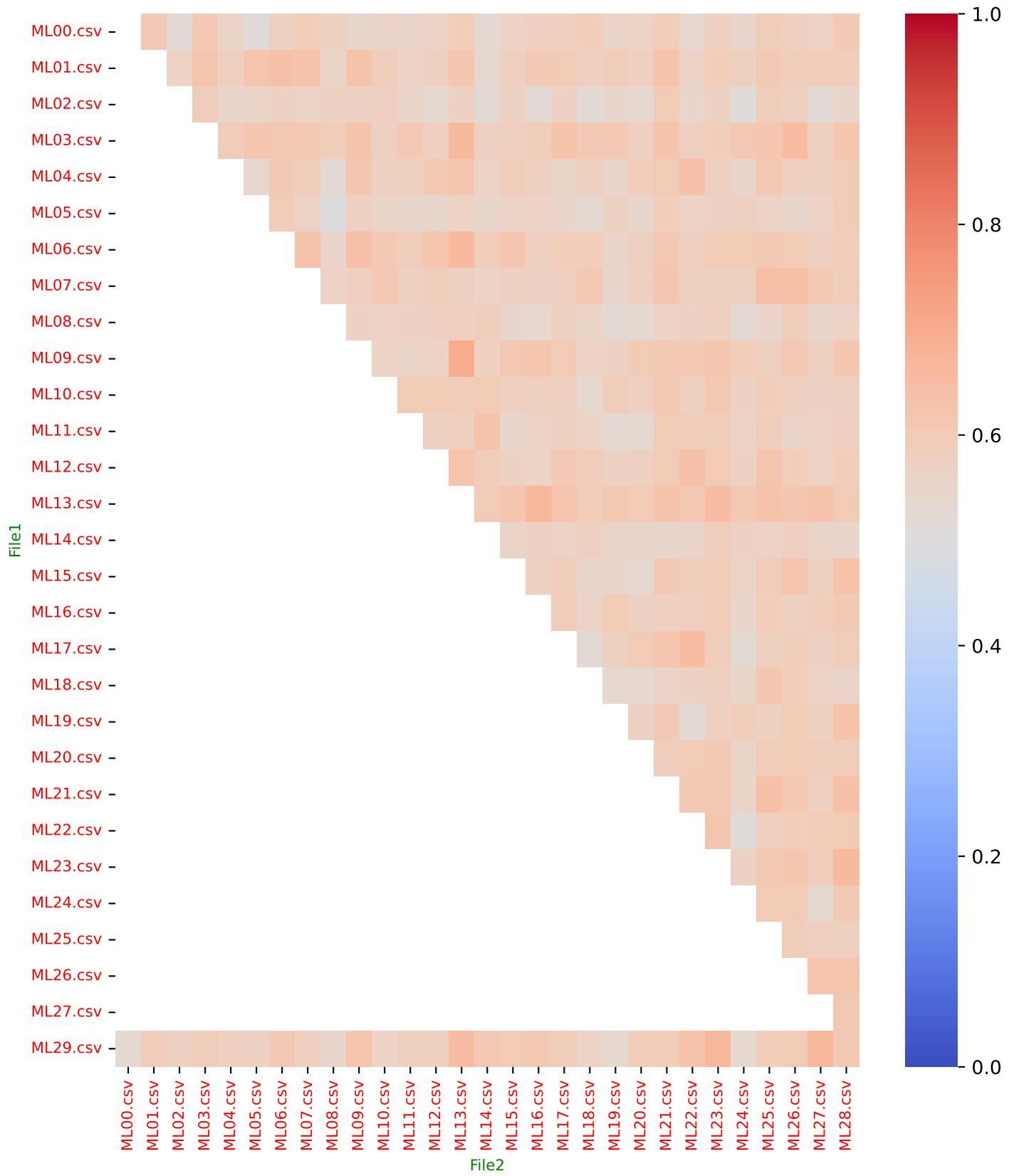
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 138

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

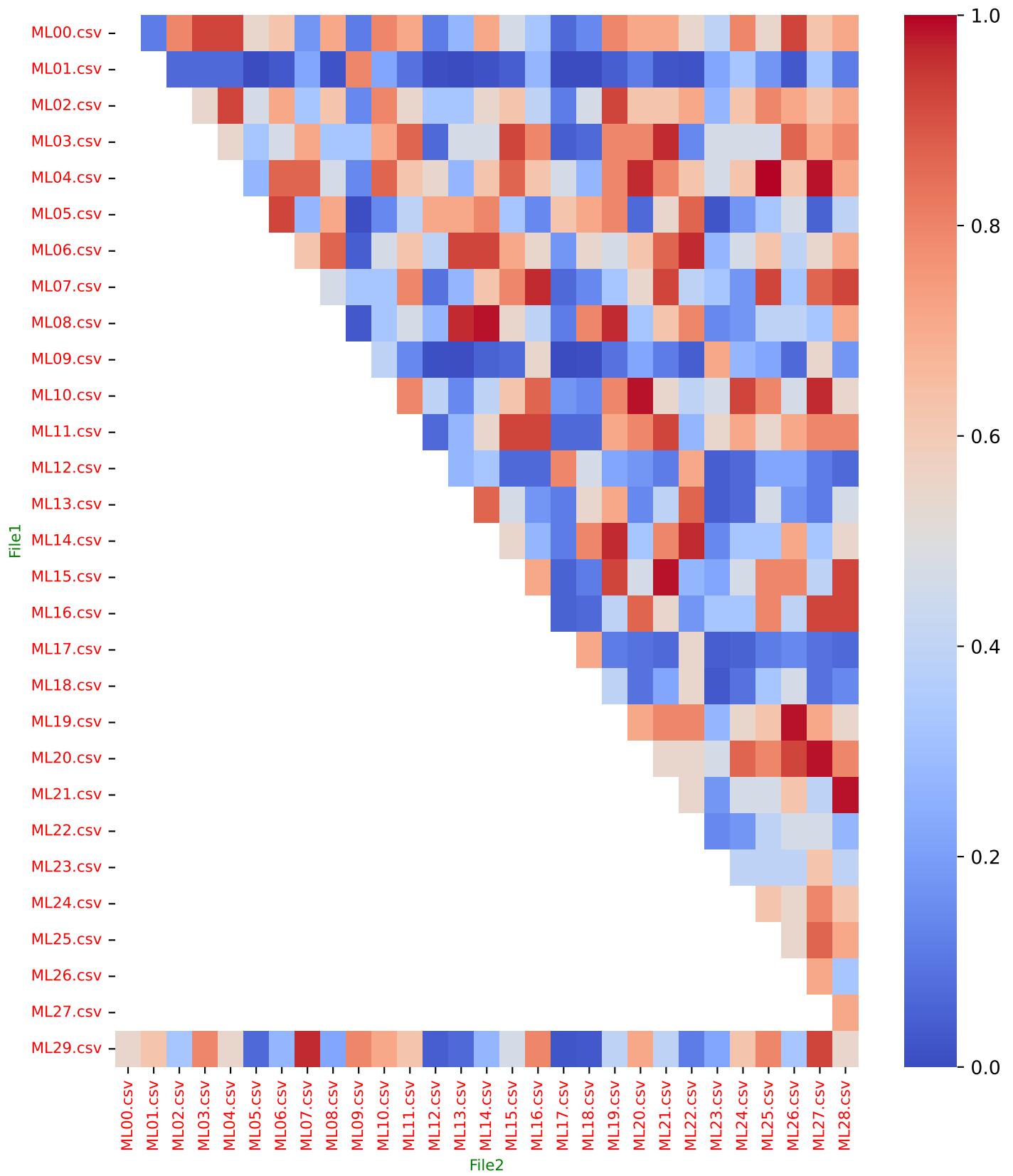


Implementation Number 138

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

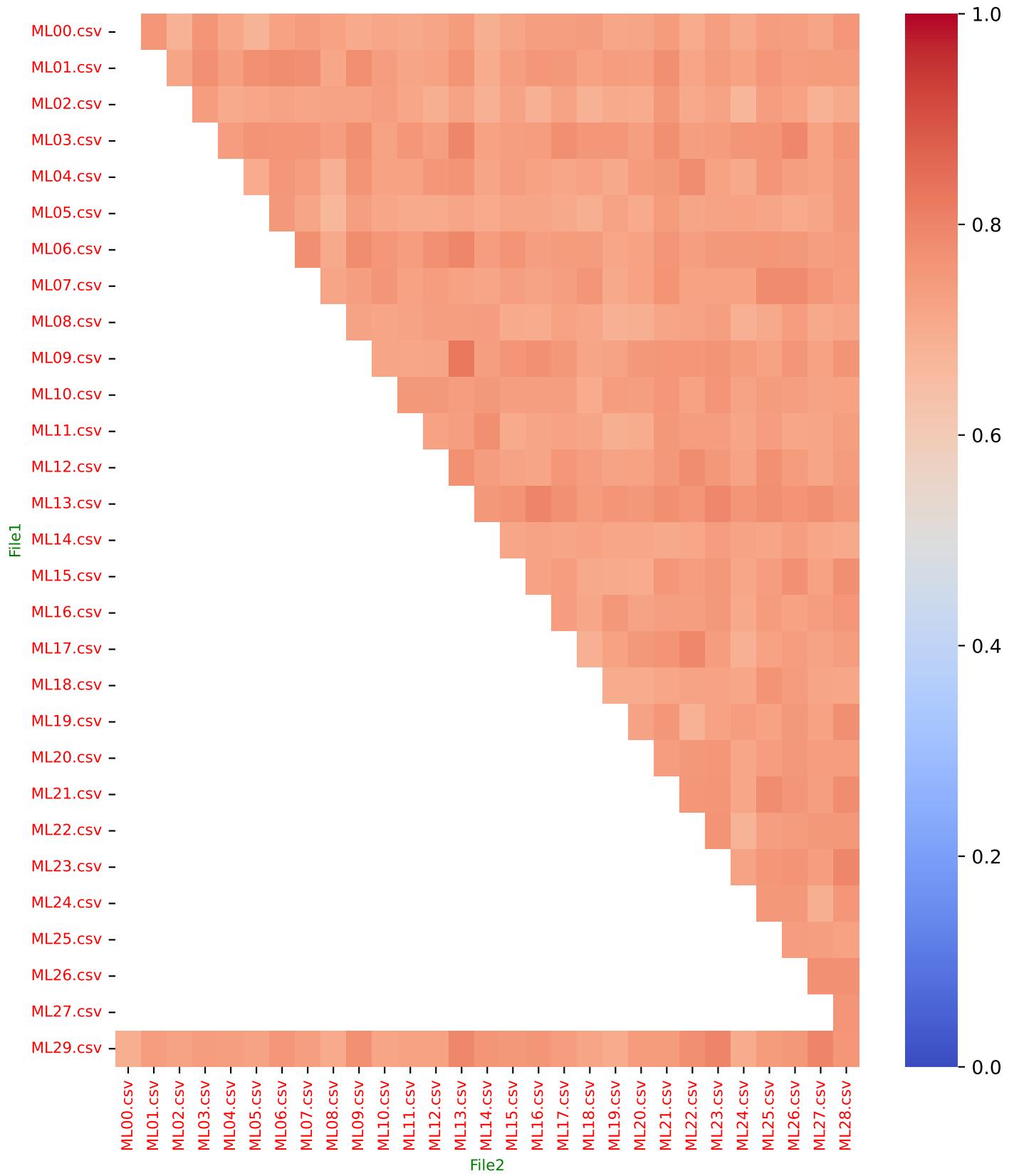


Implementation Number 138

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

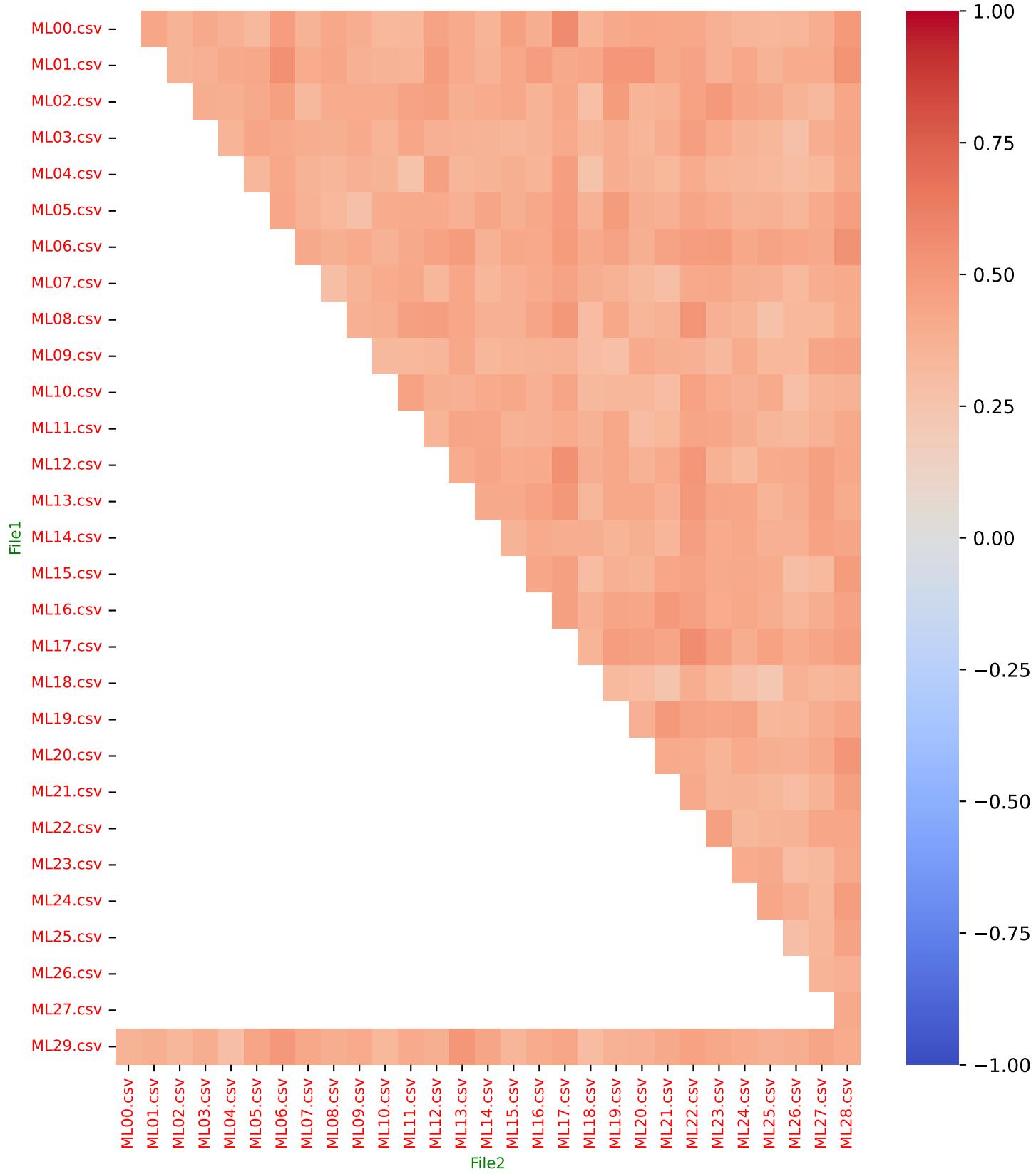


Implementation Number 138

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 139

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 10
Number of Files: 30**

Implementation Number 139

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 139

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 139

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
------------	-------	-------

006.67 %	BAKON_615	00, 13
026.67 %	BAKON_406	00, 01, 02, 03, 08, 11, 16, 17
010.00 %	BAKON_236	00, 19, 20
016.67 %	BAKON_509	00, 19, 21, 24, 27
010.00 %	BAKON_124	00, 04, 26
006.67 %	BAKON_259	00, 18
010.00 %	BAKON_595	00, 03, 17
006.67 %	BAKON_440	00, 12
006.67 %	BAKON_180	00, 01
013.33 %	BAKON_186	00, 12, 17, 23
036.67 %	BAKON_366	01, 02, 05, 06, 11, 17, 21, 22, 26, 27, 29
010.00 %	BAKON_093	01, 19, 25
010.00 %	BAKON_149	01, 14, 17
063.33 %	BAKON_363	01, 02, 03, 04, 05, 06, 08, 10, 11, 12, 15, 20, 21, 23, 24, 25, 26, 28, 29
006.67 %	BAKON_219	01, 07
010.00 %	BAKON_477	01, 11, 13
013.33 %	BAKON_555	01, 09, 14, 19
016.67 %	BAKON_164	01, 02, 06, 09, 11
016.67 %	BAKON_262	02, 15, 20, 22, 25
013.33 %	BAKON_006	02, 06, 10, 15
006.67 %	BAKON_286	02, 15
013.33 %	BAKON_148	02, 05, 18, 27
020.00 %	BAKON_283	02, 08, 22, 23, 26, 27

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Global node Presence Mean (Weighted): 15.11%

Implementation Number 139

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.1111	0.2000	0.0524	1.0000
ML29.csv	ML01.csv	0.0526	0.1000	0.0524	nan
ML29.csv	ML02.csv	0.1111	0.2000	0.0021	-1.0000
ML29.csv	ML03.csv	0.0526	0.1000	0.1678	nan
ML29.csv	ML04.csv	0.0000	0.0000	0.1678	nan
ML29.csv	ML05.csv	0.0000	0.0000	0.1678	nan
ML29.csv	ML06.csv	0.0000	0.0000	0.0524	nan
ML29.csv	ML07.csv	0.0526	0.1000	0.7869	nan
ML29.csv	ML08.csv	0.0000	0.0000	0.0123	nan
ML29.csv	ML09.csv	0.0000	0.0000	0.9945	nan
ML29.csv	ML10.csv	0.0526	0.1000	0.7869	nan
ML29.csv	ML11.csv	0.1111	0.2000	0.7869	-1.0000
ML29.csv	ML12.csv	0.0526	0.1000	0.0123	nan
ML29.csv	ML13.csv	0.0000	0.0000	0.0000	nan
ML29.csv	ML14.csv	0.0000	0.0000	0.9945	nan
ML29.csv	ML15.csv	0.0526	0.1000	0.0524	nan
ML29.csv	ML16.csv	0.1765	0.3000	1.0000	-0.3333
ML29.csv	ML17.csv	0.0526	0.1000	0.0021	nan
ML29.csv	ML18.csv	0.1111	0.2000	0.0123	1.0000
ML29.csv	ML19.csv	0.0526	0.1000	0.1678	nan
ML29.csv	ML20.csv	0.0526	0.1000	0.0123	nan
ML29.csv	ML21.csv	0.0000	0.0000	0.4175	nan
ML29.csv	ML22.csv	0.0526	0.1000	0.0000	nan
ML29.csv	ML23.csv	0.0526	0.1000	0.1678	nan
ML29.csv	ML24.csv	0.0000	0.0000	0.0002	nan
ML29.csv	ML25.csv	0.0526	0.1000	0.7869	nan
ML29.csv	ML26.csv	0.0526	0.1000	0.9945	nan
ML29.csv	ML27.csv	0.0000	0.0000	0.0524	nan
ML29.csv	ML28.csv	0.0000	0.0000	0.0021	nan
ML00.csv	ML01.csv	0.2500	0.4000	0.0021	0.6667
ML00.csv	ML02.csv	0.1111	0.2000	0.0002	-1.0000
ML00.csv	ML03.csv	0.0526	0.1000	0.1678	nan
ML00.csv	ML04.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML05.csv	0.1765	0.3000	0.0123	0.3333
ML00.csv	ML06.csv	0.0526	0.1000	0.4175	nan

Implementation Number 139

Parameters: Top_N = 10

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML08.csv	0.1111	0.2000	0.4175	1.0000
ML00.csv	ML09.csv	0.0526	0.1000	0.0524	nan
ML00.csv	ML10.csv	0.3333	0.5000	0.0021	0.2000
ML00.csv	ML11.csv	0.0526	0.1000	0.4175	nan
ML00.csv	ML12.csv	0.0526	0.1000	0.1678	nan
ML00.csv	ML13.csv	0.1111	0.2000	0.0000	-1.0000
ML00.csv	ML14.csv	0.0526	0.1000	0.1678	nan
ML00.csv	ML15.csv	0.0526	0.1000	0.0021	nan
ML00.csv	ML16.csv	0.1765	0.3000	0.1678	0.3333
ML00.csv	ML17.csv	0.0000	0.0000	0.4175	nan
ML00.csv	ML18.csv	0.1111	0.2000	0.7869	-1.0000
ML00.csv	ML19.csv	0.0526	0.1000	0.0021	nan
ML00.csv	ML20.csv	0.1111	0.2000	0.7869	1.0000
ML00.csv	ML21.csv	0.0526	0.1000	0.1678	nan

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Global Metrics:

Mean Jaccard Coefficient (J): 0.0681

Fleiss' Kappa Agreement Index (κ_F): 0.0434

Mean KS Distance Between Pairs (D): 0.6207

Mean p-value for KS Test Pairs: 0.2062

Mean KS Distance for Multiple Samples (D_{mult}): 0.4484

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1514

Mean Kendall Tau ($\bar{\tau}$): 0.2902

Median Kendall Tau ($\tilde{\tau}$): 1.0000

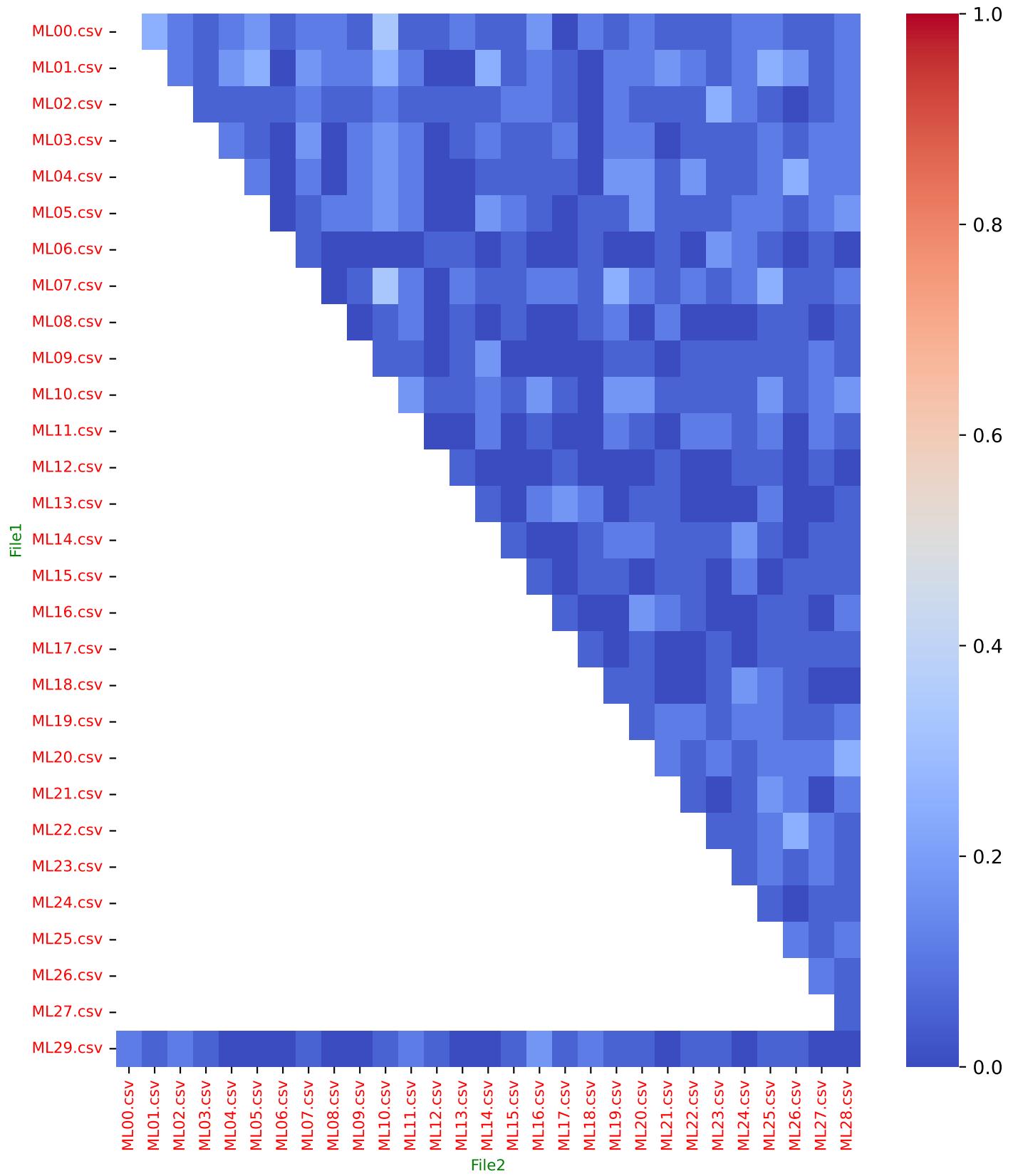
Percentage of Pairs with $\tau > 0$: 21.84%

Implementation Number 139

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

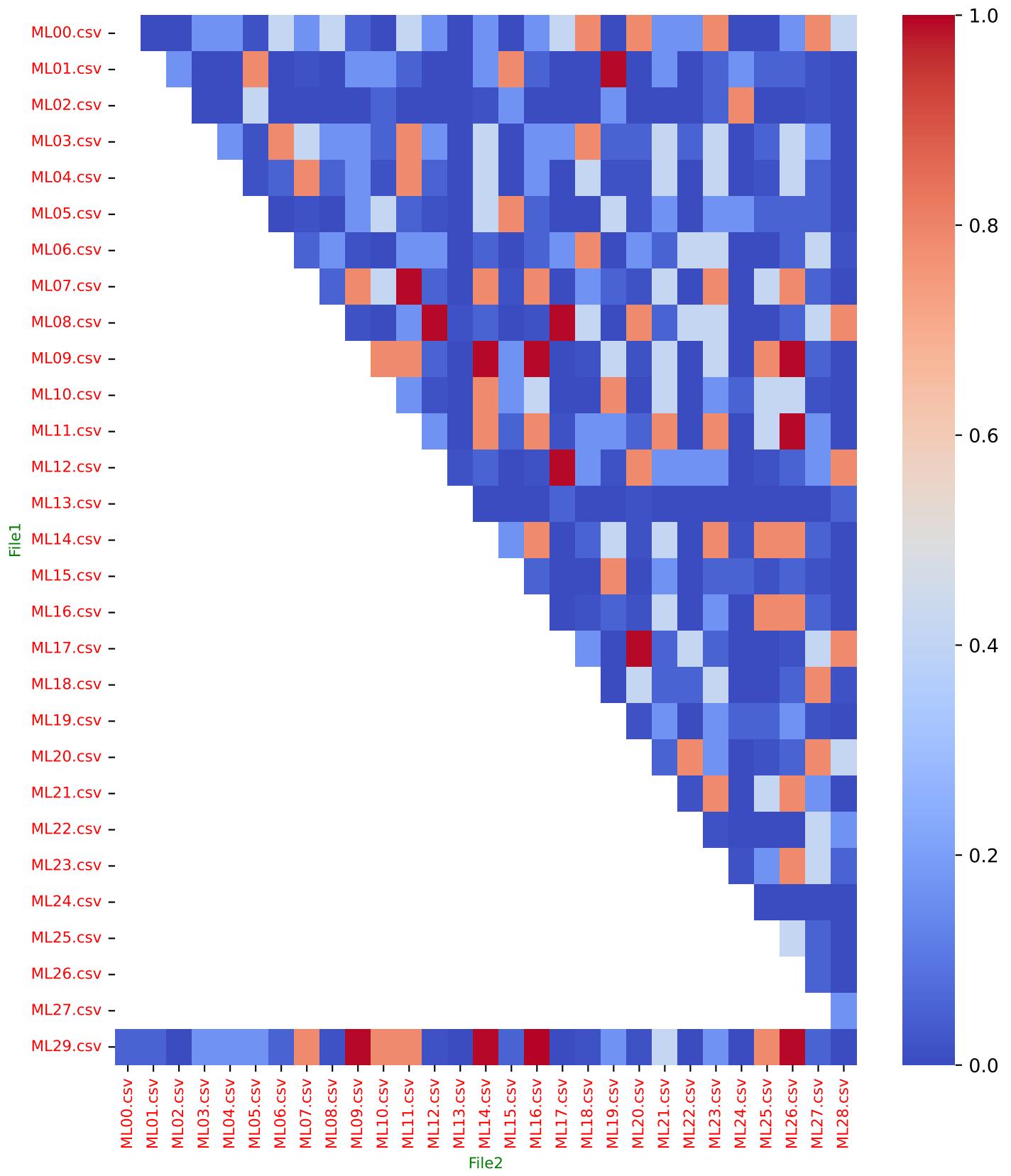


Implementation Number 139

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

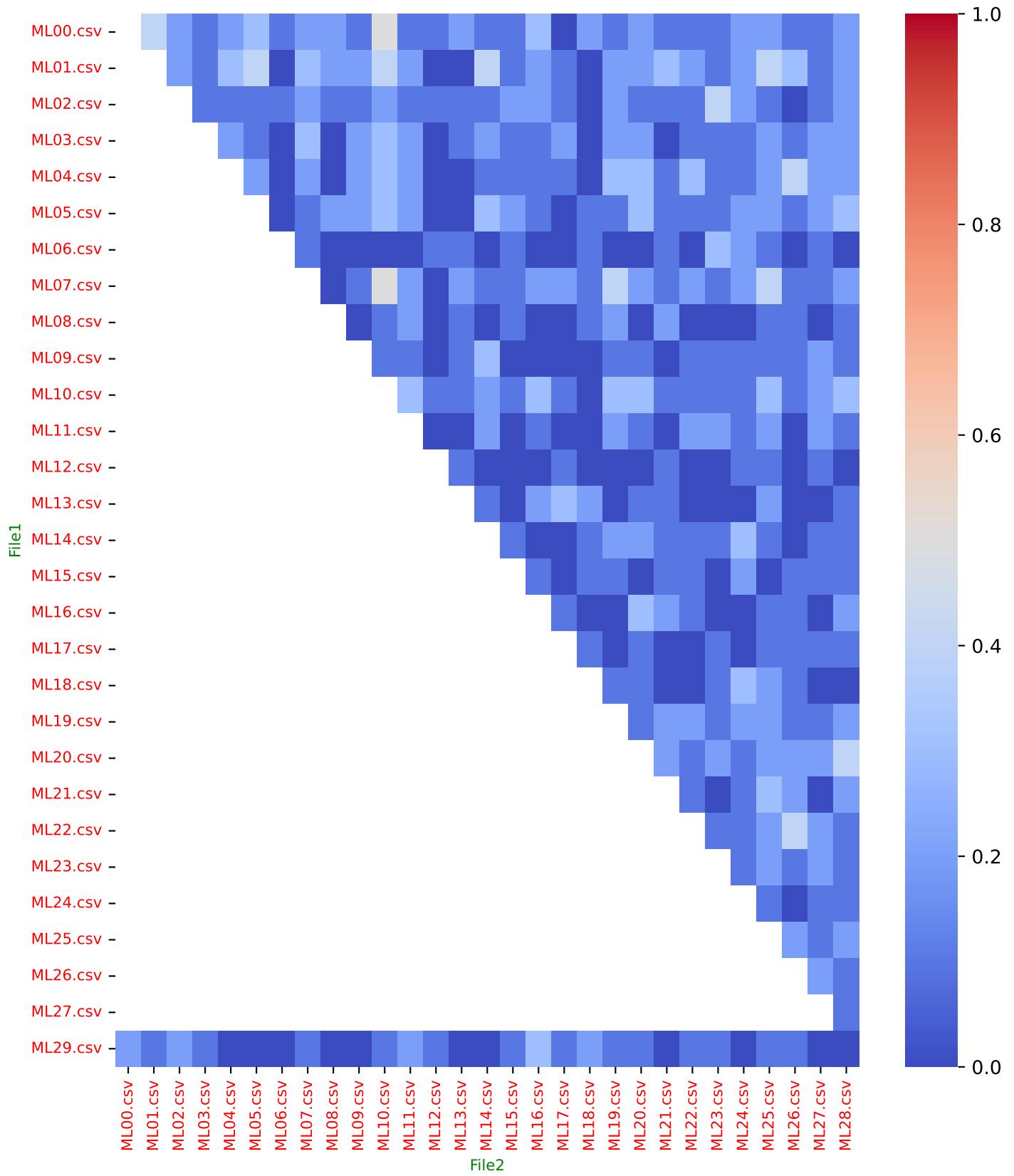


Implementation Number 139

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

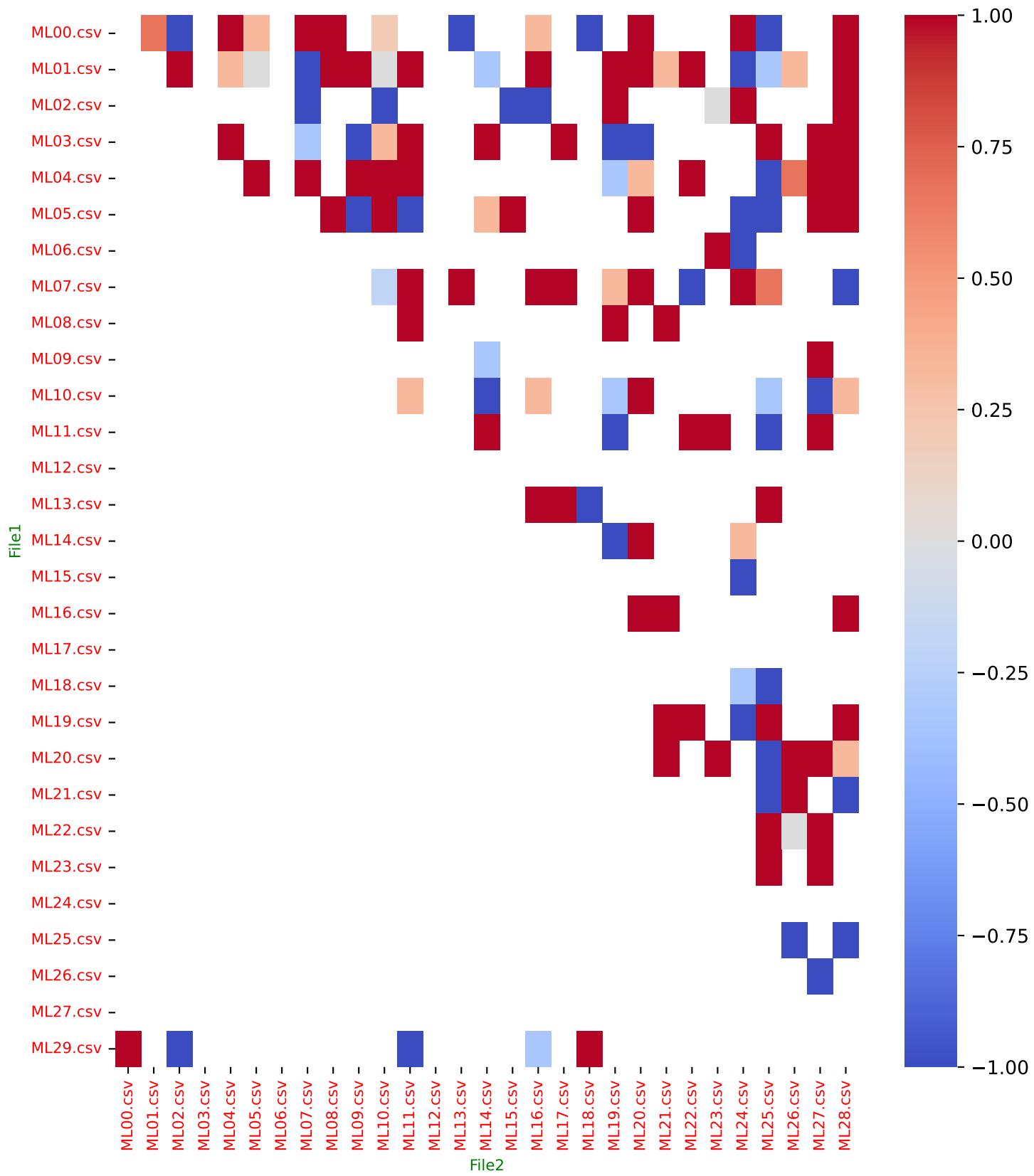


Implementation Number 139

Parameters: Top_N = 10
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 140

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 20
Number of Files: 30**

Implementation Number 140

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 140

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 140

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
010.00 %	BAKON_615	00, 13, 22
046.67 %	BAKON_406	00, 01, 02, 03, 06, 07, 08, 10, 11, 12, 16, 17, 18, 27
013.33 %	BAKON_236	00, 08, 19, 20
030.00 %	BAKON_509	00, 07, 08, 13, 18, 19, 21, 24, 27
033.33 %	BAKON_124	00, 02, 04, 08, 16, 17, 22, 26, 27, 29
026.67 %	BAKON_259	00, 07, 09, 18, 23, 24, 26, 27
013.33 %	BAKON_595	00, 03, 06, 17
020.00 %	BAKON_440	00, 03, 12, 15, 20, 28
030.00 %	BAKON_180	00, 01, 03, 04, 05, 17, 23, 26, 28
023.33 %	BAKON_186	00, 06, 12, 17, 23, 25, 26
060.00 %	BAKON_366	00, 01, 02, 05, 06, 10, 11, 15, 17, 20, 21, 22, 23, 24, 25, 26, 27, 29
033.33 %	BAKON_006	00, 02, 03, 05, 06, 08, 10, 15, 19, 20
016.67 %	BAKON_137	00, 04, 07, 13, 28
016.67 %	BAKON_606	00, 09, 11, 18, 24
040.00 %	BAKON_396	00, 04, 08, 11, 14, 16, 17, 18, 21, 24, 25, 29
040.00 %	BAKON_376	00, 02, 05, 07, 11, 16, 17, 21, 23, 26, 27, 28
010.00 %	BAKON_143	00, 17, 18
020.00 %	BAKON_210	00, 07, 14, 21, 25, 29
023.33 %	BAKON_026	00, 02, 06, 07, 10, 14, 24
010.00 %	BAKON_100	00, 16, 24
013.33 %	BAKON_093	01, 19, 21, 25
023.33 %	BAKON_149	01, 04, 07, 10, 12, 14, 17

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Global node Presence Mean (Weighted): 22.03%

Implementation Number 140

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.0811	0.1500	0.0335	-0.3333
ML29.csv	ML01.csv	0.1765	0.3000	0.3356	0.2000
ML29.csv	ML02.csv	0.1429	0.2500	0.0335	0.2000
ML29.csv	ML03.csv	0.1111	0.2000	0.3356	-0.3333
ML29.csv	ML04.csv	0.1111	0.2000	0.5713	0.0000
ML29.csv	ML05.csv	0.1765	0.3000	0.5713	-0.3333
ML29.csv	ML06.csv	0.2121	0.3500	0.0811	-0.4286
ML29.csv	ML07.csv	0.1765	0.3000	0.8320	-0.0667
ML29.csv	ML08.csv	0.0526	0.1000	0.0123	1.0000
ML29.csv	ML09.csv	0.1111	0.2000	0.9831	0.0000
ML29.csv	ML10.csv	0.1429	0.2500	0.1745	0.6000
ML29.csv	ML11.csv	0.0811	0.1500	0.5713	-1.0000
ML29.csv	ML12.csv	0.0811	0.1500	0.0040	0.3333
ML29.csv	ML13.csv	0.0811	0.1500	0.0000	0.3333
ML29.csv	ML14.csv	0.0811	0.1500	0.8320	-0.3333
ML29.csv	ML15.csv	0.1429	0.2500	0.1745	-0.2000
ML29.csv	ML16.csv	0.2903	0.4500	0.5713	-0.0556
ML29.csv	ML17.csv	0.1765	0.3000	0.0123	-0.4667
ML29.csv	ML18.csv	0.0811	0.1500	0.1745	1.0000
ML29.csv	ML19.csv	0.1111	0.2000	0.3356	0.6667
ML29.csv	ML20.csv	0.1429	0.2500	0.0040	0.0000
ML29.csv	ML21.csv	0.0811	0.1500	0.5713	-0.3333
ML29.csv	ML22.csv	0.1429	0.2500	0.0040	-0.2000
ML29.csv	ML23.csv	0.2121	0.3500	0.1745	-0.0476
ML29.csv	ML24.csv	0.1111	0.2000	0.0003	-0.3333
ML29.csv	ML25.csv	0.1765	0.3000	0.8320	0.2000
ML29.csv	ML26.csv	0.1765	0.3000	0.8320	-0.3333
ML29.csv	ML27.csv	0.1111	0.2000	0.0335	-0.6667
ML29.csv	ML28.csv	0.1111	0.2000	0.0011	0.0000
ML00.csv	ML01.csv	0.1111	0.2000	0.0003	0.6667
ML00.csv	ML02.csv	0.1111	0.2000	0.0000	0.3333
ML00.csv	ML03.csv	0.1765	0.3000	0.0335	0.0667
ML00.csv	ML04.csv	0.2121	0.3500	0.3356	0.2381
ML00.csv	ML05.csv	0.1429	0.2500	0.0123	0.6000
ML00.csv	ML06.csv	0.1111	0.2000	0.8320	-0.3333

Implementation Number 140

Parameters: Top_N = 20

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.1111	0.2000	0.0040	0.3333
ML00.csv	ML08.csv	0.0811	0.1500	0.0123	1.0000
ML00.csv	ML09.csv	0.1429	0.2500	0.0123	0.0000
ML00.csv	ML10.csv	0.2500	0.4000	0.0000	0.3571
ML00.csv	ML11.csv	0.1111	0.2000	0.5713	-0.3333
ML00.csv	ML12.csv	0.0811	0.1500	0.0123	-0.3333
ML00.csv	ML13.csv	0.1111	0.2000	0.0000	-0.3333
ML00.csv	ML14.csv	0.0811	0.1500	0.1745	-0.3333
ML00.csv	ML15.csv	0.0811	0.1500	0.0000	1.0000
ML00.csv	ML16.csv	0.1765	0.3000	0.0003	0.0667
ML00.csv	ML17.csv	0.1111	0.2000	0.0040	0.0000
ML00.csv	ML18.csv	0.1765	0.3000	0.3356	-0.4667
ML00.csv	ML19.csv	0.1765	0.3000	0.0001	-0.3333
ML00.csv	ML20.csv	0.2121	0.3500	0.0003	0.7143
ML00.csv	ML21.csv	0.0811	0.1500	0.3356	0.3333

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1091

Fleiss' Kappa Agreement Index (κ_F): 0.0887

Mean KS Distance Between Pairs (D): 0.5059

Mean p-value for KS Test Pairs: 0.1615

Mean KS Distance for Multiple Samples (D_{mult}): 0.3520

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1329

Mean Kendall Tau (τ): 0.1063

Median Kendall Tau ($\tilde{\tau}$): 0.0667

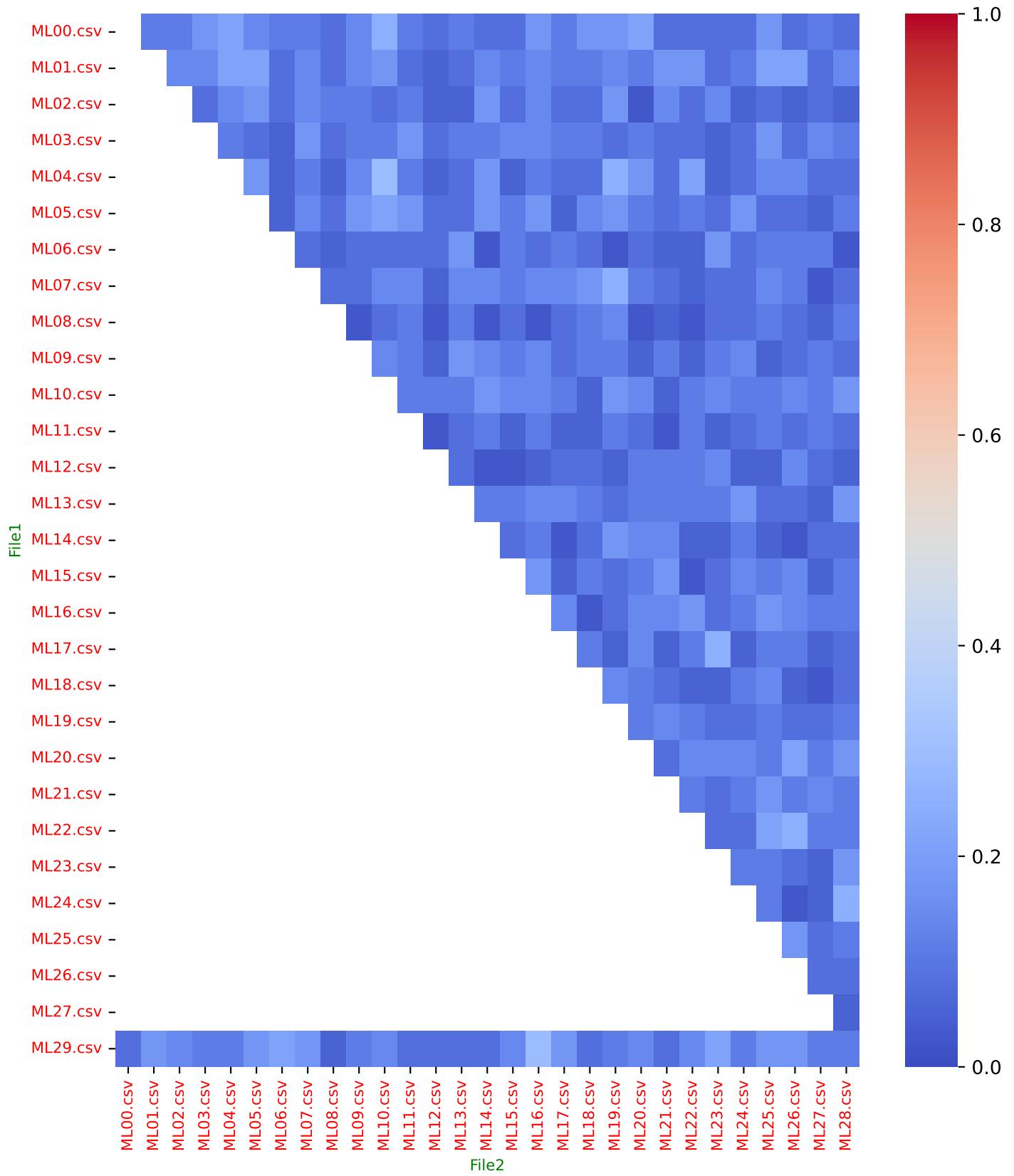
Percentage of Pairs with $\tau > 0$: 49.66%

Implementation Number 140

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

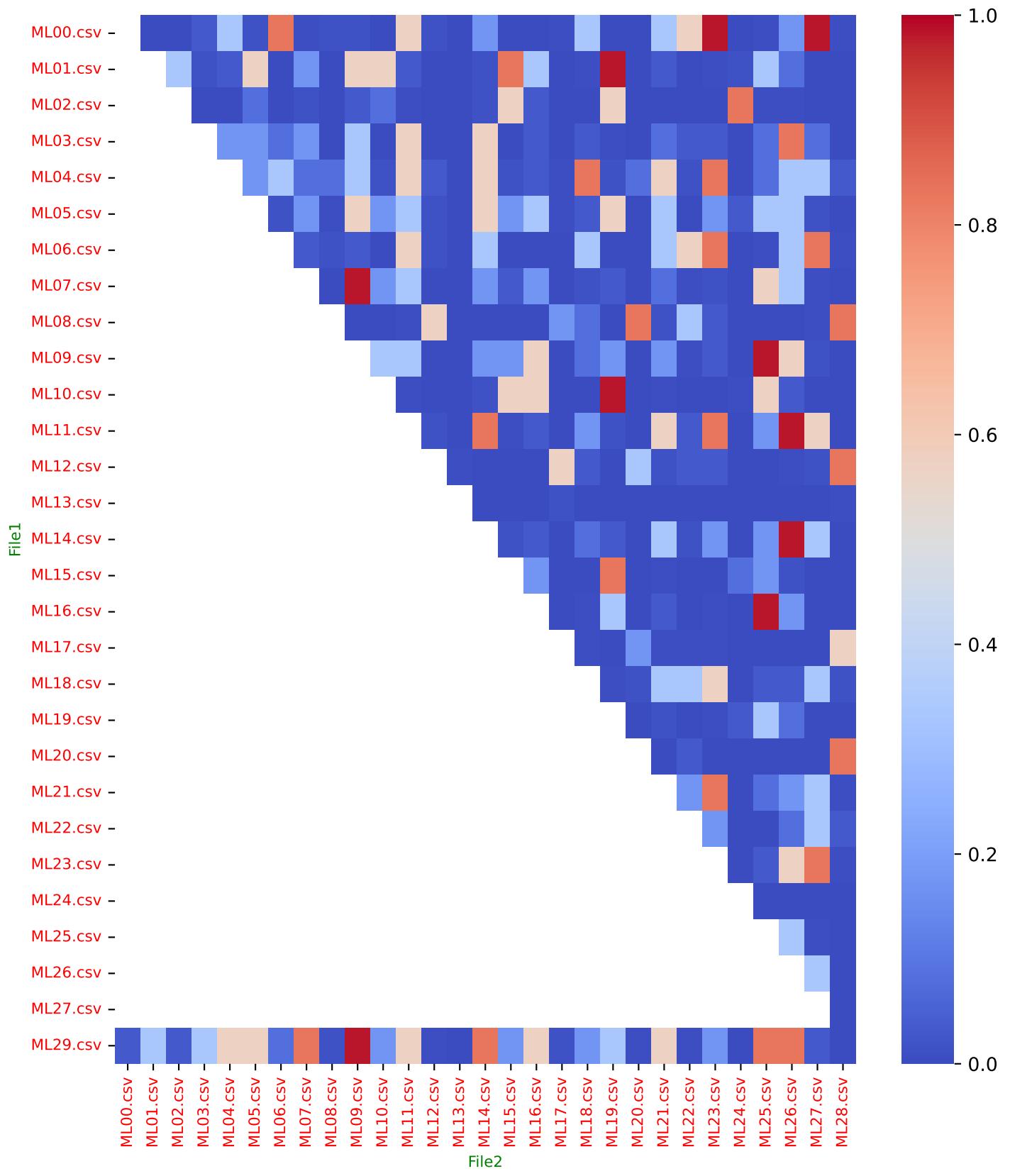


Implementation Number 140

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

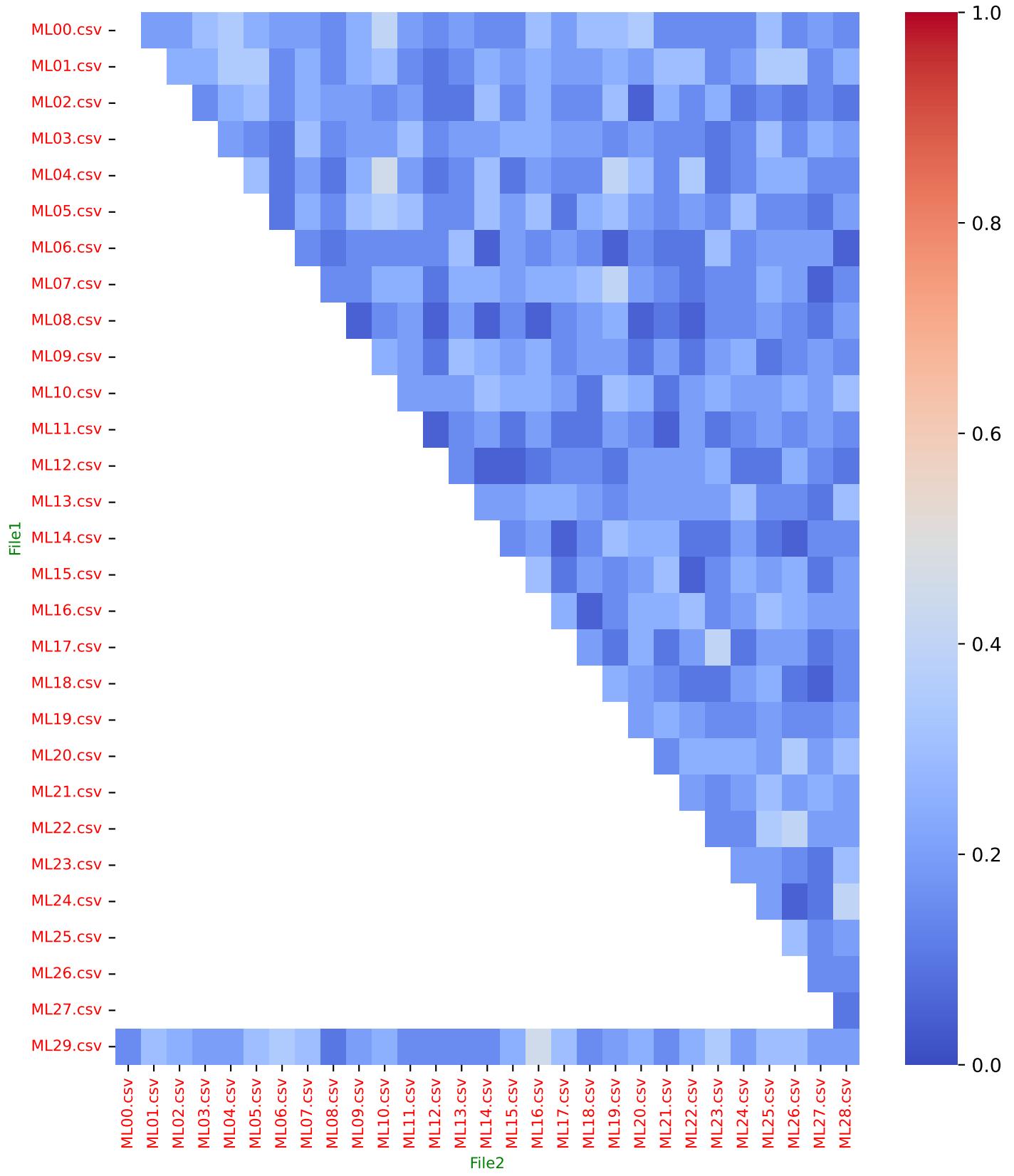


Implementation Number 140

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

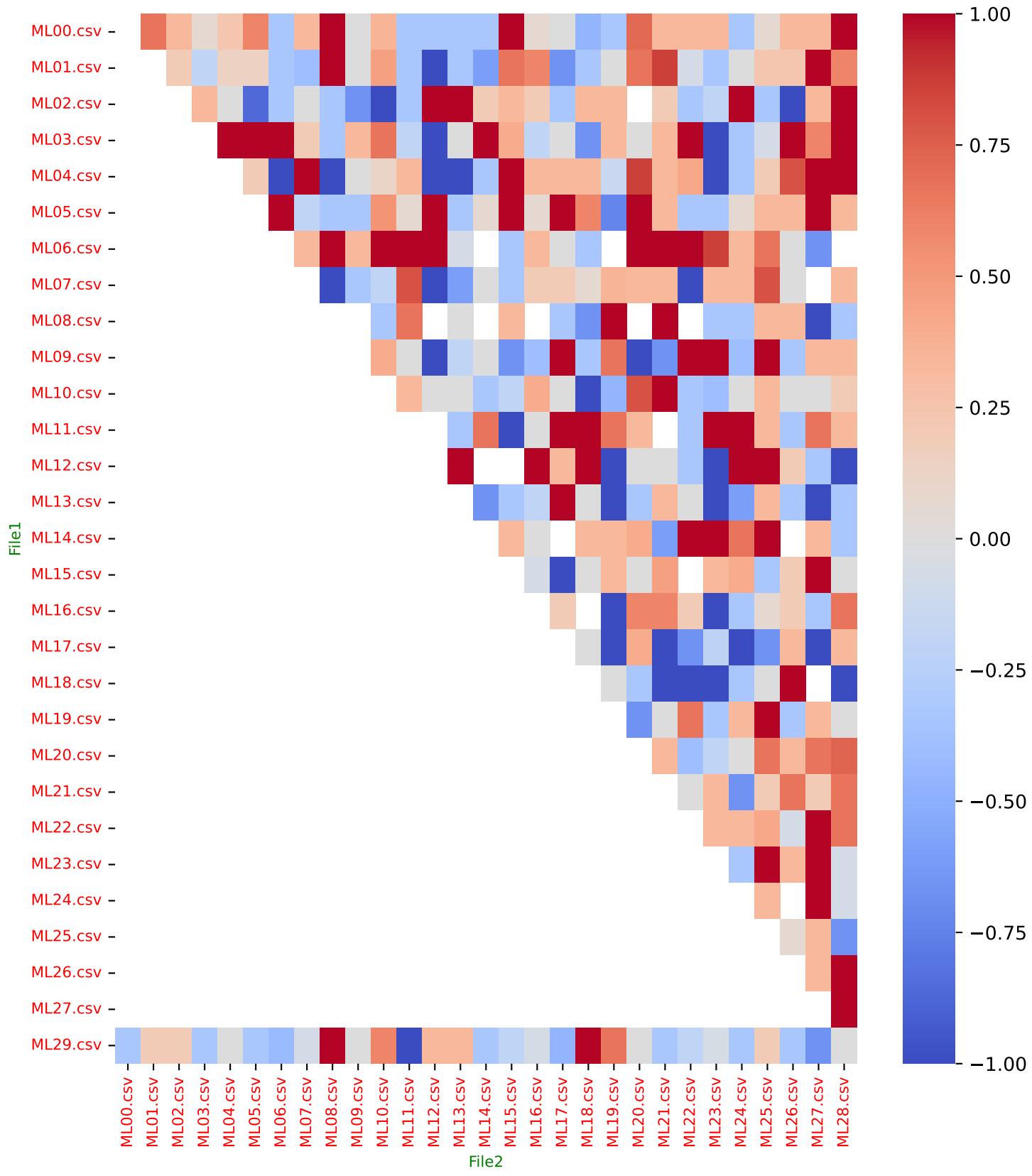


Implementation Number 140

Parameters: Top_N = 20
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 141

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 30
Number of Files: 30**

Implementation Number 141

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 141

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 141

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
013.33 %	BAKON_615	00, 01, 13, 22
053.33 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 10, 11, 12, 15, 16, 17, 18, 27
013.33 %	BAKON_236	00, 08, 19, 20
040.00 %	BAKON_509	00, 01, 07, 08, 13, 18, 19, 21, 23, 24, 27, 29
040.00 %	BAKON_124	00, 02, 04, 08, 16, 17, 22, 24, 25, 26, 27, 29
026.67 %	BAKON_259	00, 07, 09, 18, 23, 24, 26, 27
013.33 %	BAKON_595	00, 03, 06, 17
033.33 %	BAKON_440	00, 01, 03, 04, 10, 11, 12, 15, 20, 28
030.00 %	BAKON_180	00, 01, 03, 04, 05, 17, 23, 26, 28
033.33 %	BAKON_186	00, 06, 12, 14, 17, 19, 23, 25, 26, 27
063.33 %	BAKON_366	00, 01, 02, 05, 06, 10, 11, 15, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
036.67 %	BAKON_006	00, 02, 03, 05, 06, 08, 09, 10, 15, 19, 20
023.33 %	BAKON_137	00, 04, 07, 13, 18, 20, 28
026.67 %	BAKON_606	00, 09, 11, 18, 19, 21, 24, 29
050.00 %	BAKON_396	00, 02, 04, 08, 10, 11, 14, 16, 17, 18, 21, 24, 25, 28, 29
046.67 %	BAKON_376	00, 01, 02, 05, 07, 11, 15, 16, 17, 21, 23, 26, 27, 28
013.33 %	BAKON_143	00, 14, 17, 18
036.67 %	BAKON_210	00, 05, 07, 08, 09, 14, 16, 21, 24, 25, 29
036.67 %	BAKON_026	00, 02, 06, 07, 08, 10, 14, 15, 16, 22, 24
013.33 %	BAKON_100	00, 16, 21, 24

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Global node Presence Mean (Weighted): 26.49%

Implementation Number 141

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.1538	0.2667	0.1350	-0.2857
ML29.csv	ML01.csv	0.2000	0.3333	0.0156	0.2000
ML29.csv	ML02.csv	0.1321	0.2333	0.0025	0.3333
ML29.csv	ML03.csv	0.1321	0.2333	0.1350	-0.5238
ML29.csv	ML04.csv	0.1111	0.2000	0.8080	0.0667
ML29.csv	ML05.csv	0.1321	0.2333	0.8080	-0.4286
ML29.csv	ML06.csv	0.1538	0.2667	0.2391	-0.0714
ML29.csv	ML07.csv	0.2245	0.3667	0.0156	0.0545
ML29.csv	ML08.csv	0.1321	0.2333	0.0709	0.3333
ML29.csv	ML09.csv	0.1538	0.2667	0.2391	-0.1429
ML29.csv	ML10.csv	0.1321	0.2333	0.0025	-0.0476
ML29.csv	ML11.csv	0.0909	0.1667	0.0709	-0.8000
ML29.csv	ML12.csv	0.0714	0.1333	0.0346	0.6667
ML29.csv	ML13.csv	0.1321	0.2333	0.0000	0.0476
ML29.csv	ML14.csv	0.1538	0.2667	0.0156	-0.0714
ML29.csv	ML15.csv	0.1765	0.3000	0.0009	0.0000
ML29.csv	ML16.csv	0.2000	0.3333	0.1350	0.1111
ML29.csv	ML17.csv	0.1765	0.3000	0.0156	-0.0556
ML29.csv	ML18.csv	0.1111	0.2000	0.3929	0.4667
ML29.csv	ML19.csv	0.1111	0.2000	0.0156	0.3333
ML29.csv	ML20.csv	0.1538	0.2667	0.0346	0.0000
ML29.csv	ML21.csv	0.1538	0.2667	0.8080	0.0000
ML29.csv	ML22.csv	0.1765	0.3000	0.0346	-0.6111
ML29.csv	ML23.csv	0.2500	0.4000	0.3929	0.0303
ML29.csv	ML24.csv	0.1538	0.2667	0.0065	-0.6429
ML29.csv	ML25.csv	0.2000	0.3333	0.0156	0.0222
ML29.csv	ML26.csv	0.1765	0.3000	0.2391	-0.1111
ML29.csv	ML27.csv	0.1538	0.2667	0.0346	-0.2857
ML29.csv	ML28.csv	0.1538	0.2667	0.0156	-0.1429
ML00.csv	ML01.csv	0.1321	0.2333	0.0025	0.4286
ML00.csv	ML02.csv	0.1111	0.2000	0.0000	0.6000
ML00.csv	ML03.csv	0.1765	0.3000	0.1350	0.2778
ML00.csv	ML04.csv	0.2245	0.3667	0.5941	0.4545
ML00.csv	ML05.csv	0.1321	0.2333	0.0709	0.7143
ML00.csv	ML06.csv	0.1538	0.2667	0.8080	-0.2143

Implementation Number 141

Parameters: Top_N = 30

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.1111	0.2000	0.0346	0.7333
ML00.csv	ML08.csv	0.0714	0.1333	0.0709	1.0000
ML00.csv	ML09.csv	0.1765	0.3000	0.0709	0.6667
ML00.csv	ML10.csv	0.3043	0.4667	0.0001	0.3846
ML00.csv	ML11.csv	0.1321	0.2333	0.2391	0.4286
ML00.csv	ML12.csv	0.1538	0.2667	0.0346	0.0714
ML00.csv	ML13.csv	0.1321	0.2333	0.0000	-0.0476
ML00.csv	ML14.csv	0.1765	0.3000	0.1350	0.0556
ML00.csv	ML15.csv	0.0909	0.1667	0.0000	0.0000
ML00.csv	ML16.csv	0.2245	0.3667	0.0065	0.3455
ML00.csv	ML17.csv	0.1538	0.2667	0.0009	-0.1429
ML00.csv	ML18.csv	0.1538	0.2667	0.5941	0.0000
ML00.csv	ML19.csv	0.1765	0.3000	0.0025	0.0000
ML00.csv	ML20.csv	0.2245	0.3667	0.0065	0.2727
ML00.csv	ML21.csv	0.1111	0.2000	0.5941	0.4667

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1379

Fleiss' Kappa Agreement Index (κ_F): 0.1106

Mean KS Distance Between Pairs (D): 0.4307

Mean p-value for KS Test Pairs: 0.1459

Mean KS Distance for Multiple Samples (D_{mult}): 0.3025

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1143

Mean Kendall Tau ($\bar{\tau}$): 0.1138

Median Kendall Tau ($\tilde{\tau}$): 0.0714

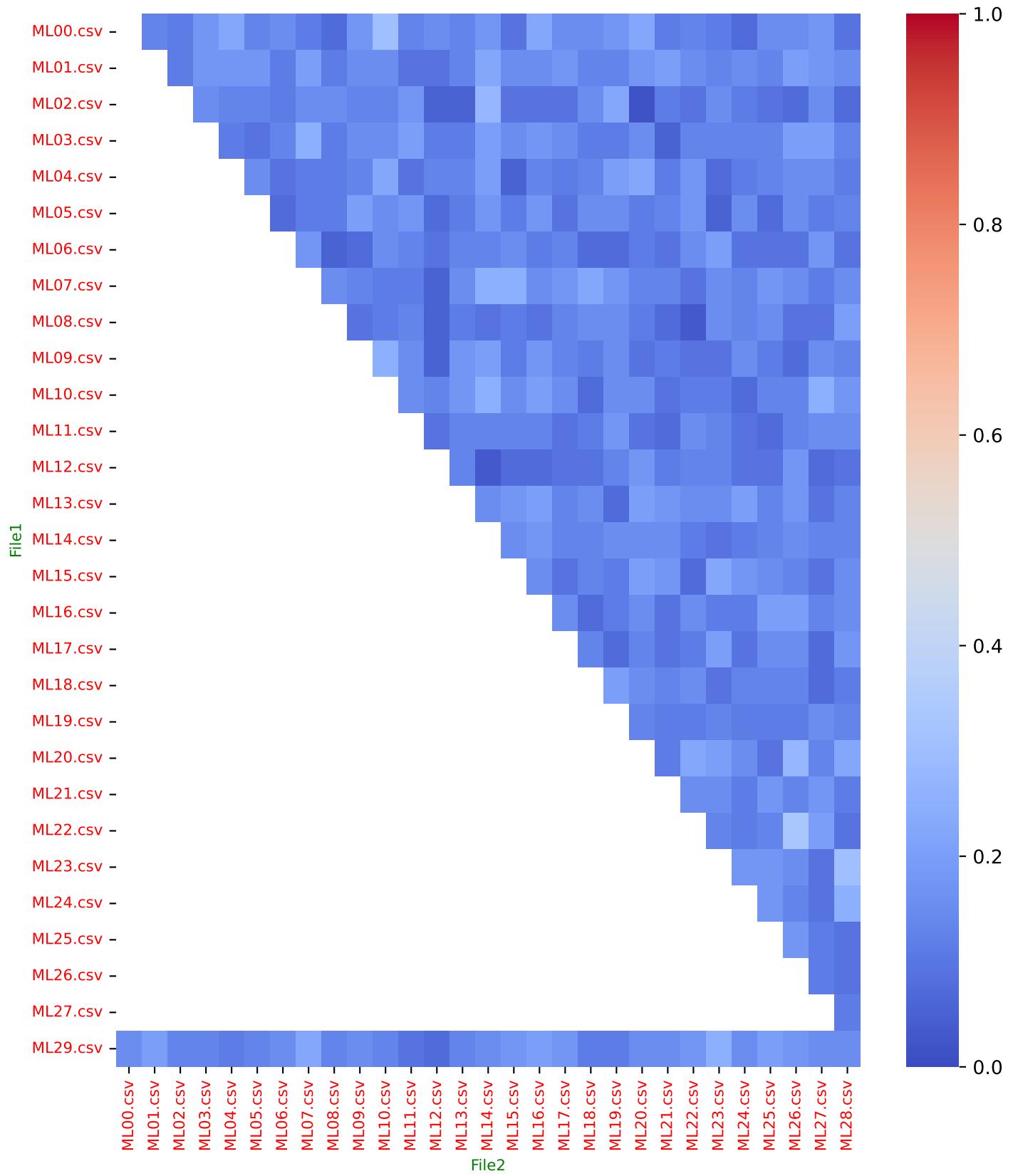
Percentage of Pairs with $\tau > 0$: 58.62%

Implementation Number 141

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

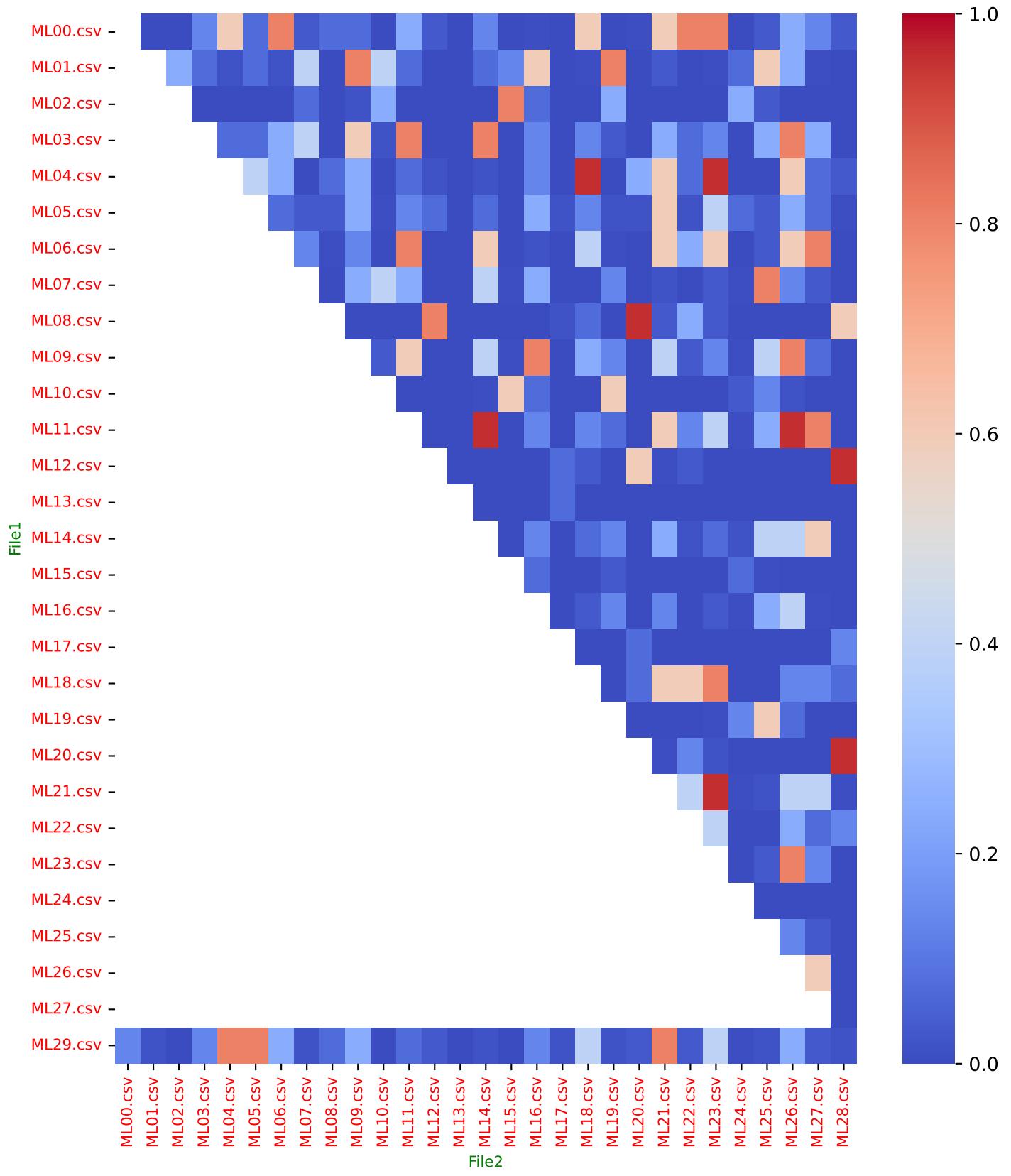


Implementation Number 141

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

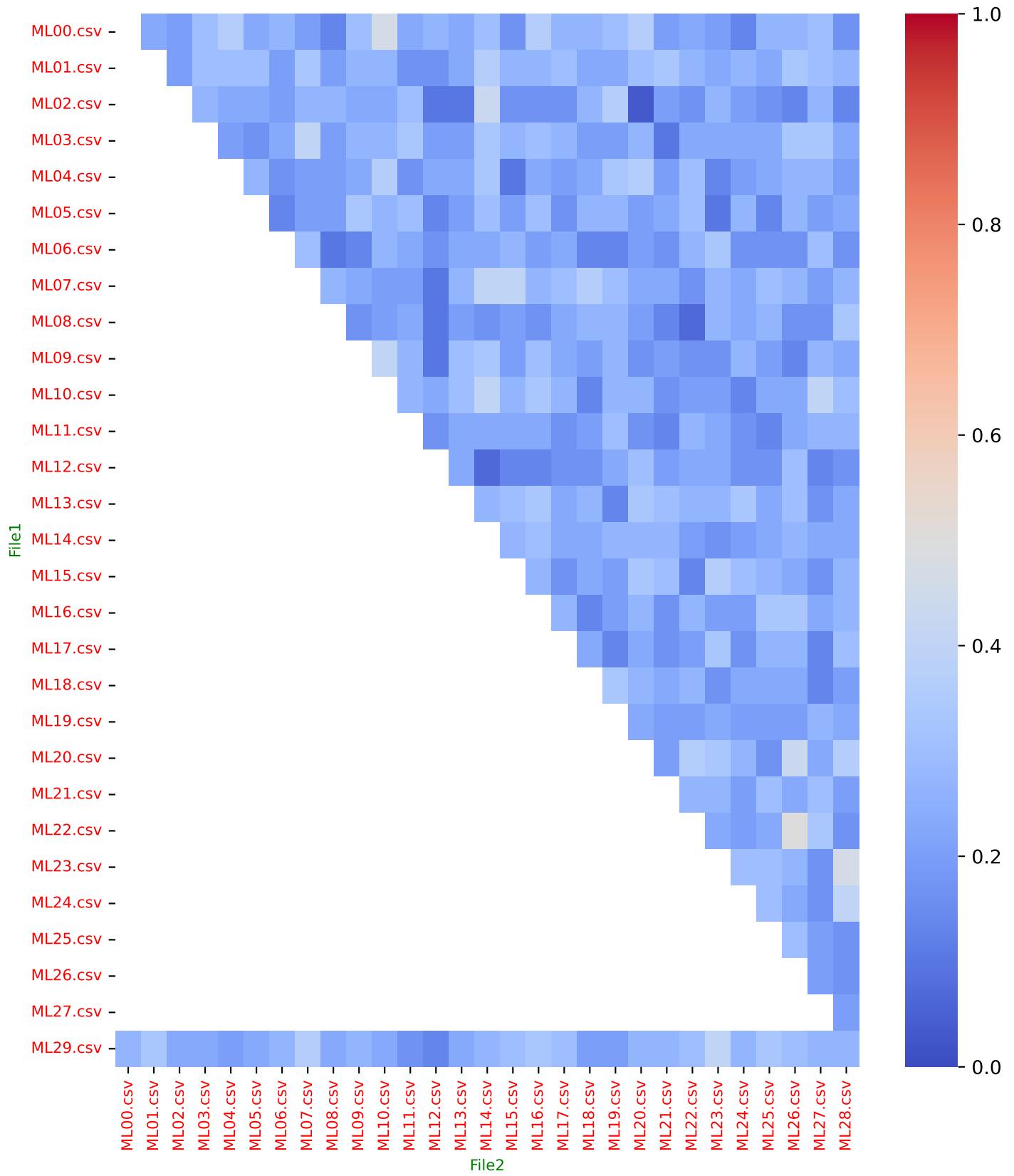


Implementation Number 141

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

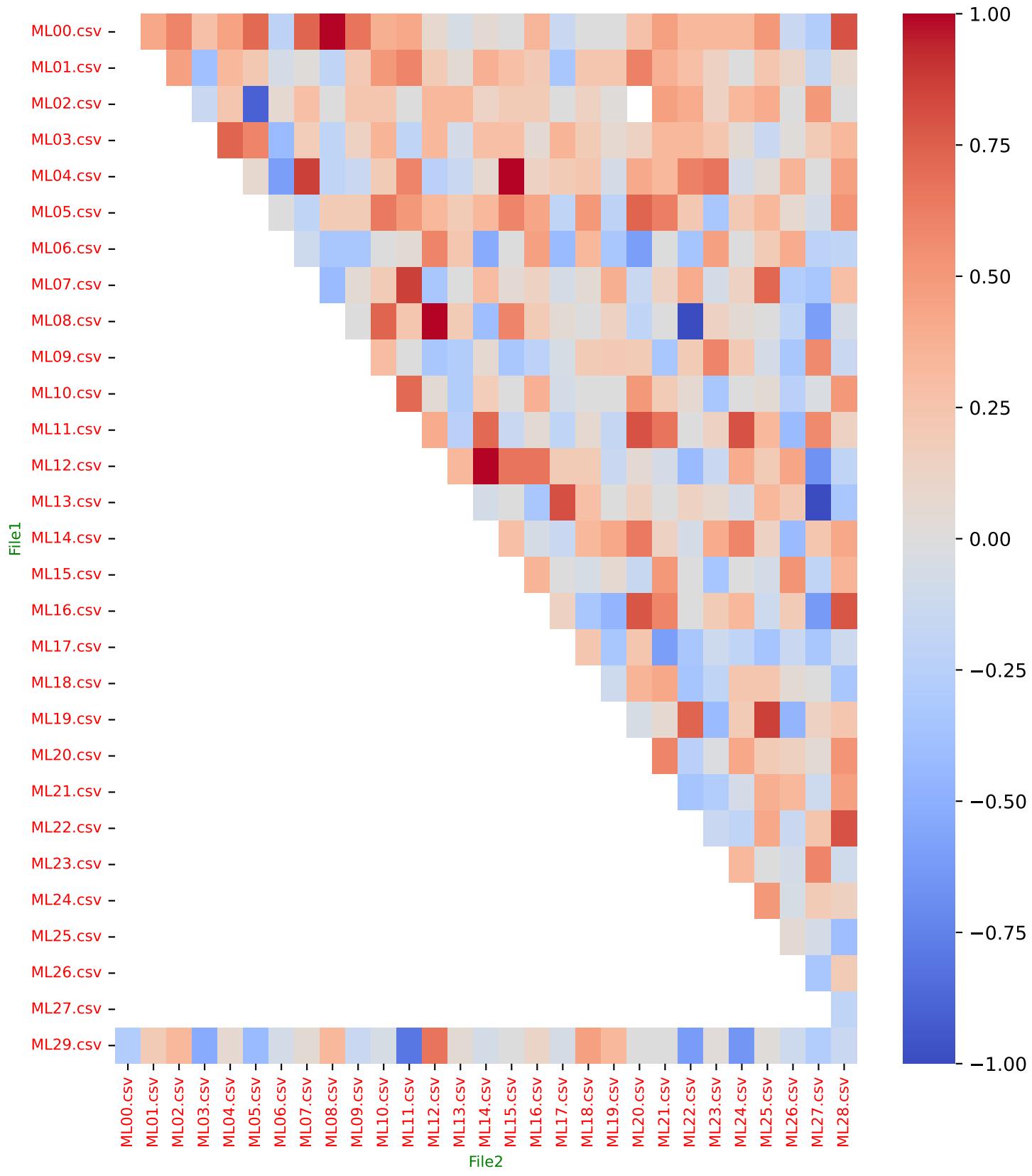


Implementation Number 141

Parameters: Top_N = 30
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 142

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 50
Number of Files: 30**

Implementation Number 142

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 142

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 142

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
013.33 %	BAKON_615	00, 01, 13, 22
066.67 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 10, 11, 12, 15, 16, 17, 18, 19, 22, 23, 24, 27
023.33 %	BAKON_236	00, 08, 11, 19, 20, 21, 27
046.67 %	BAKON_509	00, 01, 03, 07, 08, 12, 13, 18, 19, 21, 23, 24, 27, 29
053.33 %	BAKON_124	00, 02, 04, 06, 08, 14, 16, 17, 19, 22, 24, 25, 26, 27, 28, 29
040.00 %	BAKON_259	00, 07, 08, 09, 14, 16, 18, 23, 24, 26, 27, 29
013.33 %	BAKON_595	00, 03, 06, 17
046.67 %	BAKON_440	00, 01, 02, 03, 04, 06, 10, 11, 12, 14, 15, 18, 20, 28
030.00 %	BAKON_180	00, 01, 03, 04, 05, 17, 23, 26, 28
046.67 %	BAKON_186	00, 04, 06, 08, 12, 14, 15, 17, 19, 21, 23, 25, 26, 27
073.33 %	BAKON_366	00, 01, 02, 03, 05, 06, 10, 11, 13, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
040.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 09, 10, 13, 15, 19, 20
030.00 %	BAKON_137	00, 04, 07, 12, 13, 18, 20, 24, 28
033.33 %	BAKON_606	00, 09, 11, 17, 18, 19, 21, 24, 25, 29
066.67 %	BAKON_396	00, 01, 02, 04, 06, 07, 08, 10, 11, 14, 15, 16, 17, 18, 21, 24, 25, 26, 28, 29
050.00 %	BAKON_376	00, 01, 02, 05, 07, 11, 13, 15, 16, 17, 21, 23, 26, 27, 28
026.67 %	BAKON_143	00, 02, 04, 07, 14, 17, 18, 28
046.67 %	BAKON_210	00, 05, 07, 08, 09, 10, 14, 16, 18, 21, 24, 25, 26, 29
060.00 %	BAKON_026	00, 02, 03, 04, 06, 07, 08, 10, 13, 14, 15, 16, 18, 19, 21, 22, 24, 28

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Global node Presence Mean (Weighted): 33.92%

Implementation Number 142

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.1236	0.2200	0.3959	0.0909
ML29.csv	ML01.csv	0.2048	0.3400	0.0000	0.3088
ML29.csv	ML02.csv	0.2195	0.3600	0.0013	0.0980
ML29.csv	ML03.csv	0.1765	0.3000	0.0217	0.2190
ML29.csv	ML04.csv	0.1494	0.2600	0.1786	0.3590
ML29.csv	ML05.csv	0.2195	0.3600	0.9667	0.1503
ML29.csv	ML06.csv	0.2195	0.3600	0.2719	0.0065
ML29.csv	ML07.csv	0.2195	0.3600	0.0000	0.1503
ML29.csv	ML08.csv	0.1494	0.2600	0.2719	0.5128
ML29.csv	ML09.csv	0.1905	0.3200	0.0217	0.1500
ML29.csv	ML10.csv	0.1628	0.2800	0.0002	0.0330
ML29.csv	ML11.csv	0.0989	0.1800	0.0002	-0.0556
ML29.csv	ML12.csv	0.1236	0.2200	0.0217	0.0909
ML29.csv	ML13.csv	0.2346	0.3800	0.0000	-0.1696
ML29.csv	ML14.csv	0.1905	0.3200	0.0058	-0.0333
ML29.csv	ML15.csv	0.2195	0.3600	0.0000	-0.0327
ML29.csv	ML16.csv	0.2658	0.4200	0.0392	0.5333
ML29.csv	ML17.csv	0.2048	0.3400	0.1124	0.1765
ML29.csv	ML18.csv	0.1905	0.3200	0.7166	-0.0833
ML29.csv	ML19.csv	0.1628	0.2800	0.0006	0.1648
ML29.csv	ML20.csv	0.1905	0.3200	0.1786	0.2167
ML29.csv	ML21.csv	0.1765	0.3000	0.1124	0.3143
ML29.csv	ML22.csv	0.1905	0.3200	0.1786	-0.2167
ML29.csv	ML23.csv	0.2195	0.3600	0.0217	-0.0065
ML29.csv	ML24.csv	0.1765	0.3000	0.0013	-0.1619
ML29.csv	ML25.csv	0.2500	0.4000	0.0217	0.0737
ML29.csv	ML26.csv	0.1765	0.3000	0.1786	-0.1619
ML29.csv	ML27.csv	0.2346	0.3800	0.0392	0.3099
ML29.csv	ML28.csv	0.1765	0.3000	0.1124	0.2762
ML00.csv	ML01.csv	0.2048	0.3400	0.0006	0.2794
ML00.csv	ML02.csv	0.2195	0.3600	0.0013	-0.0980
ML00.csv	ML03.csv	0.2346	0.3800	0.1124	0.1579
ML00.csv	ML04.csv	0.2500	0.4000	0.5487	0.1789
ML00.csv	ML05.csv	0.2346	0.3800	0.2719	0.1462
ML00.csv	ML06.csv	0.1628	0.2800	0.7166	0.3187

Implementation Number 142

Parameters: Top_N = 50

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.1628	0.2800	0.0000	0.0549
ML00.csv	ML08.csv	0.1628	0.2800	0.2719	0.0330
ML00.csv	ML09.csv	0.1628	0.2800	0.1786	0.4945
ML00.csv	ML10.csv	0.2346	0.3800	0.0013	0.4269
ML00.csv	ML11.csv	0.2195	0.3600	0.0028	0.0458
ML00.csv	ML12.csv	0.2346	0.3800	0.0115	0.2749
ML00.csv	ML13.csv	0.2346	0.3800	0.0000	0.0526
ML00.csv	ML14.csv	0.2500	0.4000	0.0217	0.0526
ML00.csv	ML15.csv	0.1628	0.2800	0.0001	0.1429
ML00.csv	ML16.csv	0.1765	0.3000	0.0678	0.3143
ML00.csv	ML17.csv	0.2048	0.3400	0.0217	0.1176
ML00.csv	ML18.csv	0.2048	0.3400	0.5487	0.3529
ML00.csv	ML19.csv	0.1905	0.3200	0.0028	0.3500
ML00.csv	ML20.csv	0.2658	0.4200	0.0678	0.3143
ML00.csv	ML21.csv	0.1905	0.3200	0.3959	0.3667

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1892

Fleiss' Kappa Agreement Index (κ_F): 0.1420

Mean KS Distance Between Pairs (D): 0.3237

Mean p-value for KS Test Pairs: 0.1446

Mean KS Distance for Multiple Samples (D_{mult}): 0.2267

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1546

Mean Kendall Tau (τ): 0.1110

Median Kendall Tau ($\tilde{\tau}$): 0.1176

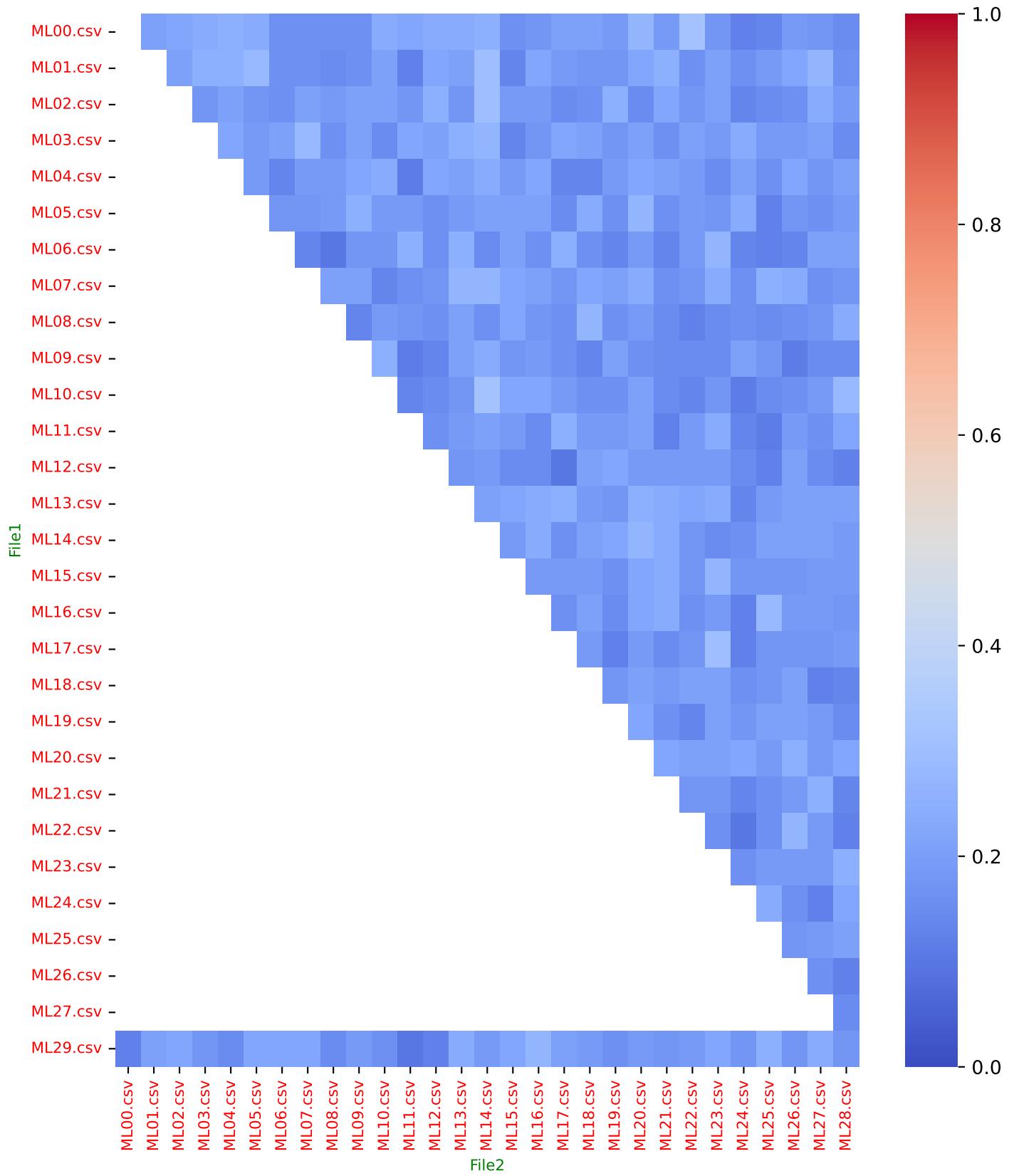
Percentage of Pairs with $\tau > 0$: 71.95%

Implementation Number 142

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

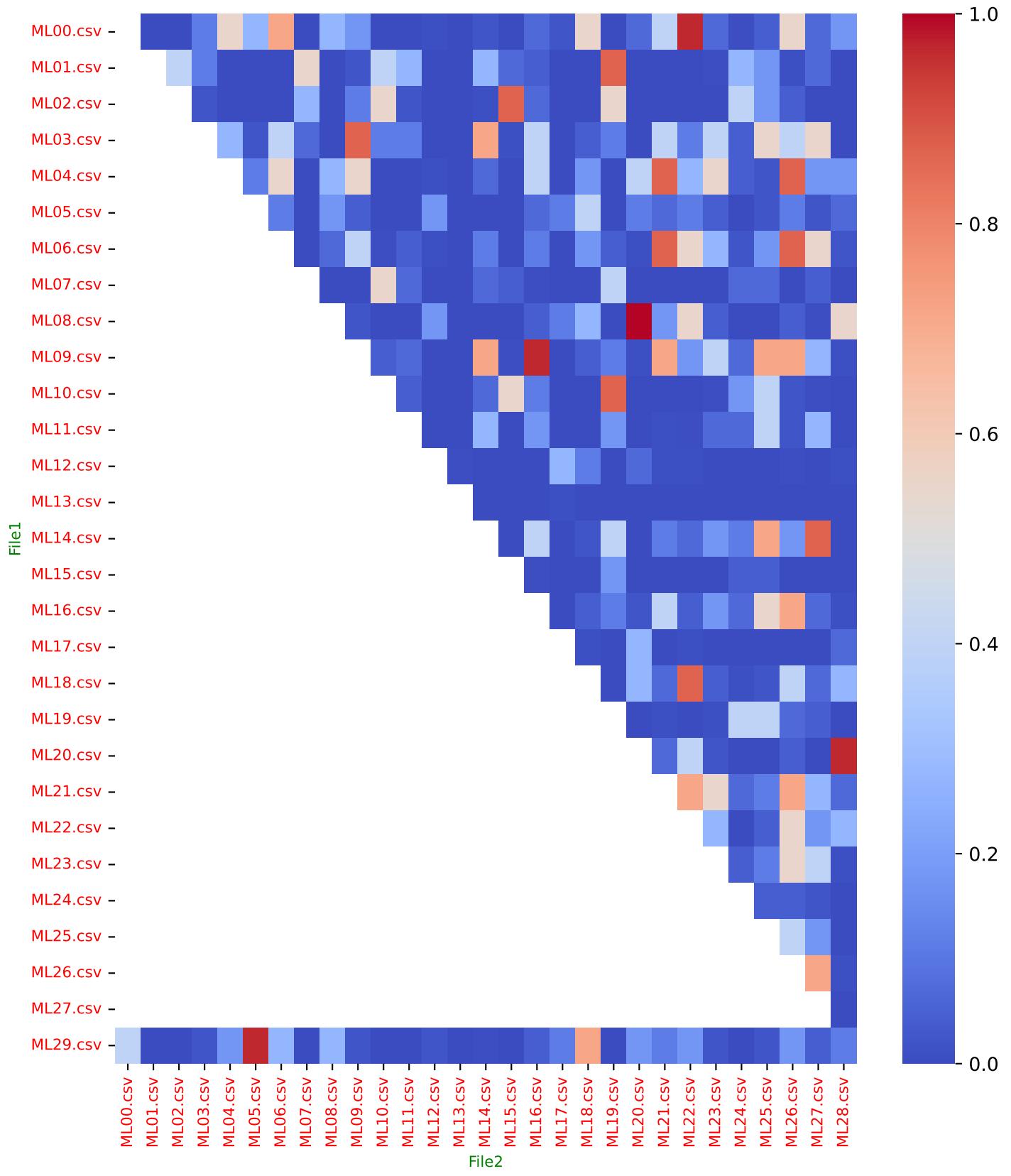


Implementation Number 142

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

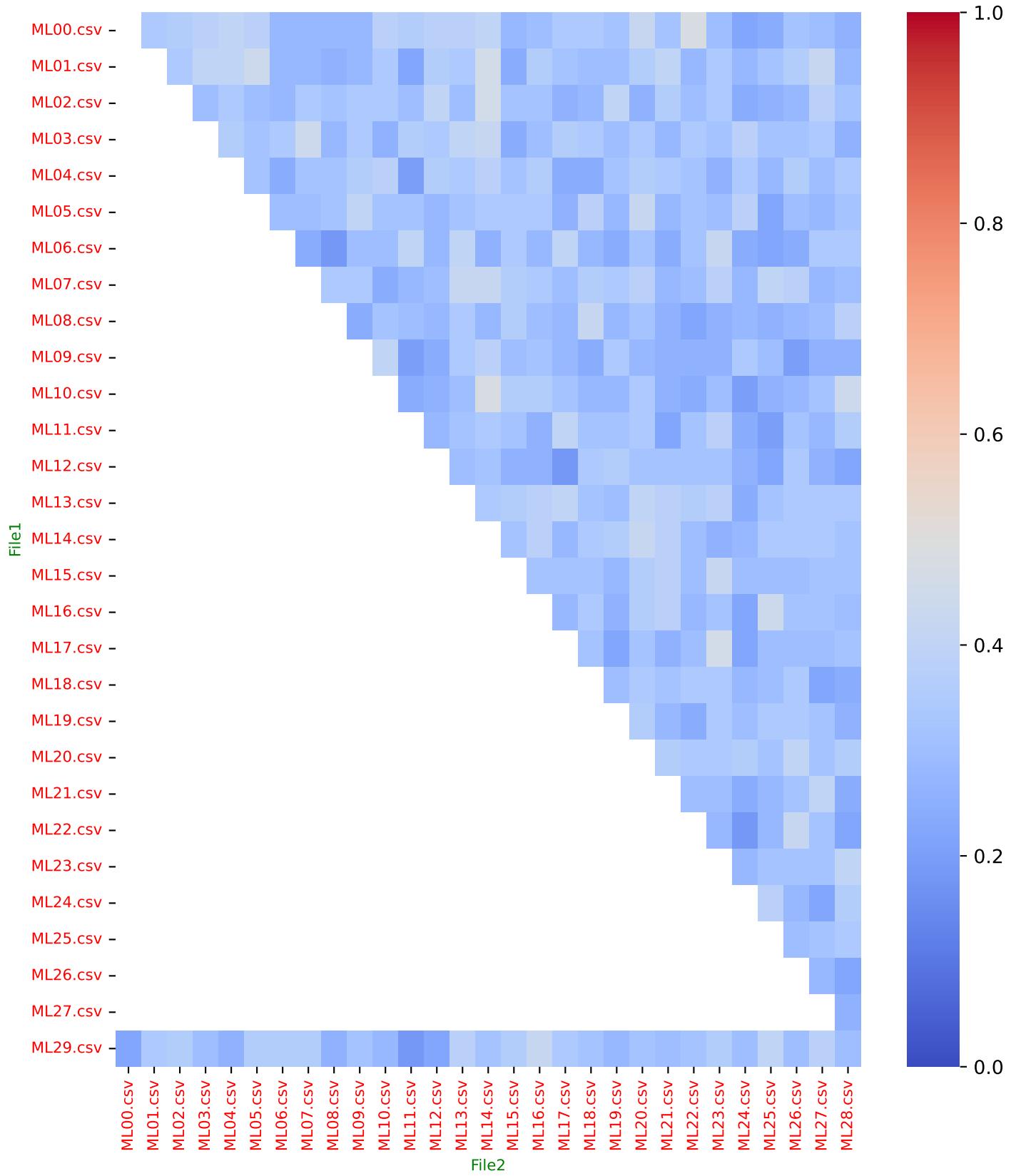


Implementation Number 142

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

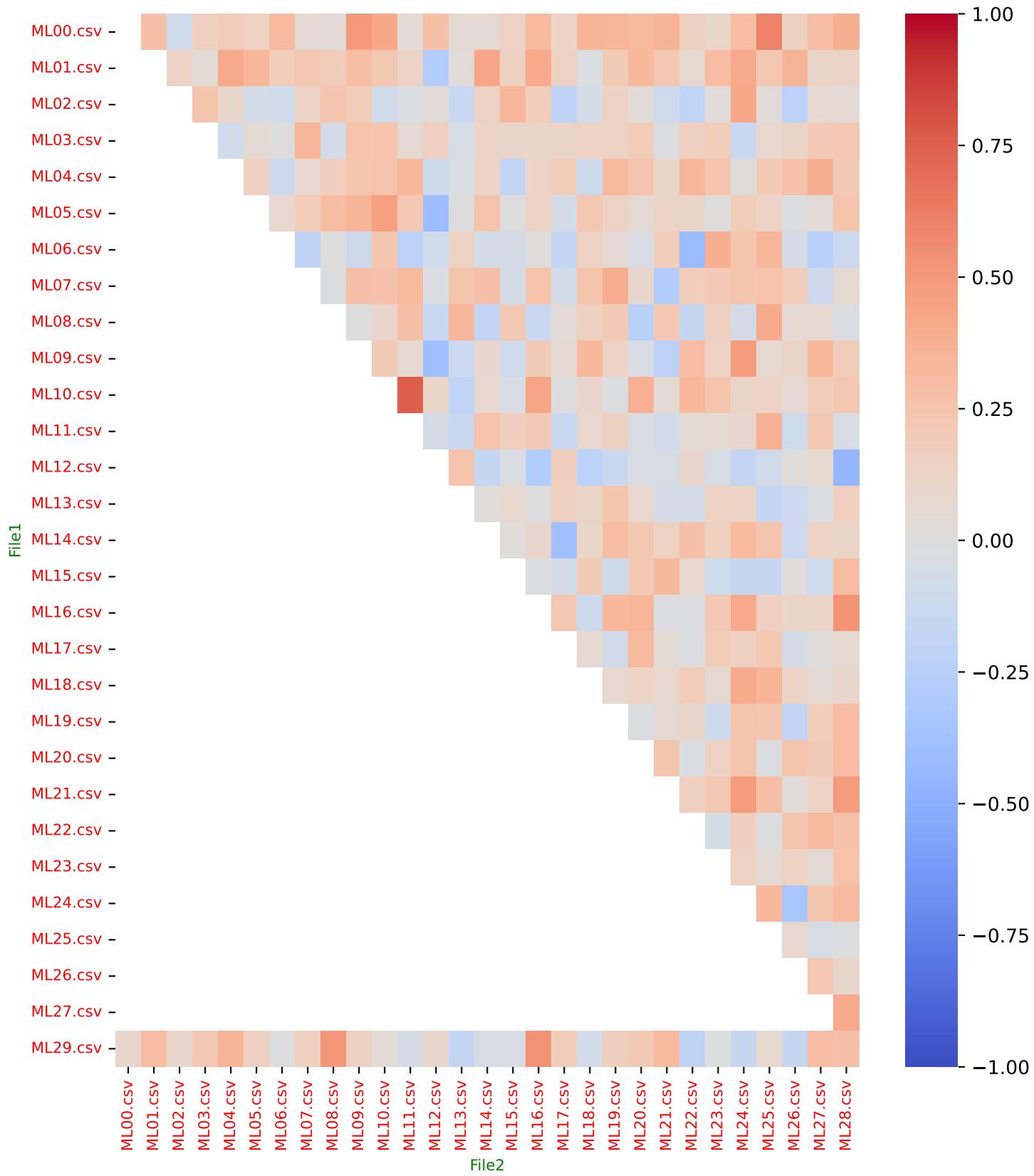


Implementation Number 142

Parameters: Top_N = 50
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 143

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 100
Number of Files: 30**

Implementation Number 143

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 143

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 143

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
030.00 %	BAKON_615	00, 01, 07, 13, 16, 22, 23, 24, 26
083.33 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 29
050.00 %	BAKON_236	00, 06, 08, 11, 12, 14, 17, 19, 20, 21, 22, 25, 26, 27, 29
066.67 %	BAKON_509	00, 01, 03, 06, 07, 08, 12, 13, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 29
066.67 %	BAKON_124	00, 02, 03, 04, 06, 08, 12, 14, 15, 16, 17, 18, 19, 22, 24, 25, 26, 27, 28, 29
070.00 %	BAKON_259	00, 02, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 16, 18, 22, 23, 24, 26, 27, 28, 29
020.00 %	BAKON_595	00, 03, 06, 15, 17, 24
073.33 %	BAKON_440	00, 01, 02, 03, 04, 06, 08, 09, 10, 11, 12, 14, 15, 18, 20, 21, 22, 25, 26, 27, 28, 29
040.00 %	BAKON_180	00, 01, 03, 04, 05, 09, 13, 17, 18, 23, 26, 28
083.33 %	BAKON_186	00, 01, 02, 03, 04, 05, 06, 08, 09, 12, 13, 14, 15, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
093.33 %	BAKON_366	00, 01, 02, 03, 04, 05, 06, 07, 08, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
063.33 %	BAKON_006	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 15, 19, 20, 23, 24, 26
046.67 %	BAKON_137	00, 04, 07, 10, 11, 12, 13, 15, 18, 20, 24, 26, 27, 28
056.67 %	BAKON_606	00, 02, 03, 07, 09, 10, 11, 12, 13, 14, 17, 18, 19, 21, 24, 25, 29
083.33 %	BAKON_396	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 25, 26, 28, 29
080.00 %	BAKON_376	00, 01, 02, 04, 05, 06, 07, 08, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 24, 26, 27, 28, 29

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Global node Presence Mean (Weighted): 50.18%

Implementation Number 143

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.3333	0.5000	0.8154	0.1527
ML29.csv	ML01.csv	0.3514	0.5200	0.0000	0.2398
ML29.csv	ML02.csv	0.3793	0.5500	0.0539	0.1987
ML29.csv	ML03.csv	0.3793	0.5500	0.0099	0.0653
ML29.csv	ML04.csv	0.2903	0.4500	0.4695	0.0869
ML29.csv	ML05.csv	0.3605	0.5300	0.4695	0.1248
ML29.csv	ML06.csv	0.3514	0.5200	0.7021	0.0694
ML29.csv	ML07.csv	0.3699	0.5400	0.0000	0.3194
ML29.csv	ML08.csv	0.2821	0.4400	0.7021	0.0909
ML29.csv	ML09.csv	0.2987	0.4600	0.1112	0.1981
ML29.csv	ML10.csv	0.2987	0.4600	0.0022	0.1981
ML29.csv	ML11.csv	0.3245	0.4900	0.0001	0.0357
ML29.csv	ML12.csv	0.3333	0.5000	0.0061	0.0498
ML29.csv	ML13.csv	0.3245	0.4900	0.0000	0.0884
ML29.csv	ML14.csv	0.3605	0.5300	0.0037	0.0987
ML29.csv	ML15.csv	0.3423	0.5100	0.0099	0.2267
ML29.csv	ML16.csv	0.3158	0.4800	0.2819	0.3156
ML29.csv	ML17.csv	0.2987	0.4600	0.2112	0.1643
ML29.csv	ML18.csv	0.2422	0.3900	0.4695	0.1741
ML29.csv	ML19.csv	0.3333	0.5000	0.0000	0.1461
ML29.csv	ML20.csv	0.3333	0.5000	0.2819	0.2294
ML29.csv	ML21.csv	0.3245	0.4900	0.4695	0.0357
ML29.csv	ML22.csv	0.2821	0.4400	0.5830	0.1966
ML29.csv	ML23.csv	0.3514	0.5200	0.0539	0.2383
ML29.csv	ML24.csv	0.3245	0.4900	0.0156	0.1820
ML29.csv	ML25.csv	0.3333	0.5000	0.0539	0.1118
ML29.csv	ML26.csv	0.2821	0.4400	0.5830	0.2727
ML29.csv	ML27.csv	0.2987	0.4600	0.0539	0.2773
ML29.csv	ML28.csv	0.2987	0.4600	0.4695	0.1556
ML00.csv	ML01.csv	0.3245	0.4900	0.0000	0.1922
ML00.csv	ML02.csv	0.2987	0.4600	0.0539	0.1749
ML00.csv	ML03.csv	0.3605	0.5300	0.1112	0.0914
ML00.csv	ML04.csv	0.3072	0.4700	0.9084	0.2525
ML00.csv	ML05.csv	0.3072	0.4700	0.2112	0.2192
ML00.csv	ML06.csv	0.3333	0.5000	0.7021	0.2669

Implementation Number 143

Parameters: Top_N = 100

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.3605	0.5300	0.0000	0.0697
ML00.csv	ML08.csv	0.3333	0.5000	0.4695	0.0204
ML00.csv	ML09.csv	0.2739	0.4300	0.5830	0.2315
ML00.csv	ML10.csv	0.3333	0.5000	0.0099	0.2947
ML00.csv	ML11.csv	0.3514	0.5200	0.0061	0.2187
ML00.csv	ML12.csv	0.3333	0.5000	0.0037	0.0041
ML00.csv	ML13.csv	0.3605	0.5300	0.0000	0.0827
ML00.csv	ML14.csv	0.3072	0.4700	0.0782	0.1508
ML00.csv	ML15.csv	0.3514	0.5200	0.0156	0.0588
ML00.csv	ML16.csv	0.2987	0.4600	0.3682	0.1865
ML00.csv	ML17.csv	0.3423	0.5100	0.1112	0.0361
ML00.csv	ML18.csv	0.3423	0.5100	0.3682	0.2957
ML00.csv	ML19.csv	0.3072	0.4700	0.0013	0.1785
ML00.csv	ML20.csv	0.2987	0.4600	0.1548	0.1865
ML00.csv	ML21.csv	0.3072	0.4700	0.8154	0.2118

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Global Metrics:

Mean Jaccard Coefficient (J): 0.3206

Fleiss' Kappa Agreement Index (κF): 0.2460

Mean KS Distance Between Pairs (D): 0.2194

Mean p-value for KS Test Pairs: 0.1687

Mean KS Distance for Multiple Samples (D_{mult}): 0.1523

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1950

Mean Kendall Tau (τ): 0.1082

Median Kendall Tau ($\tilde{\tau}$): 0.1064

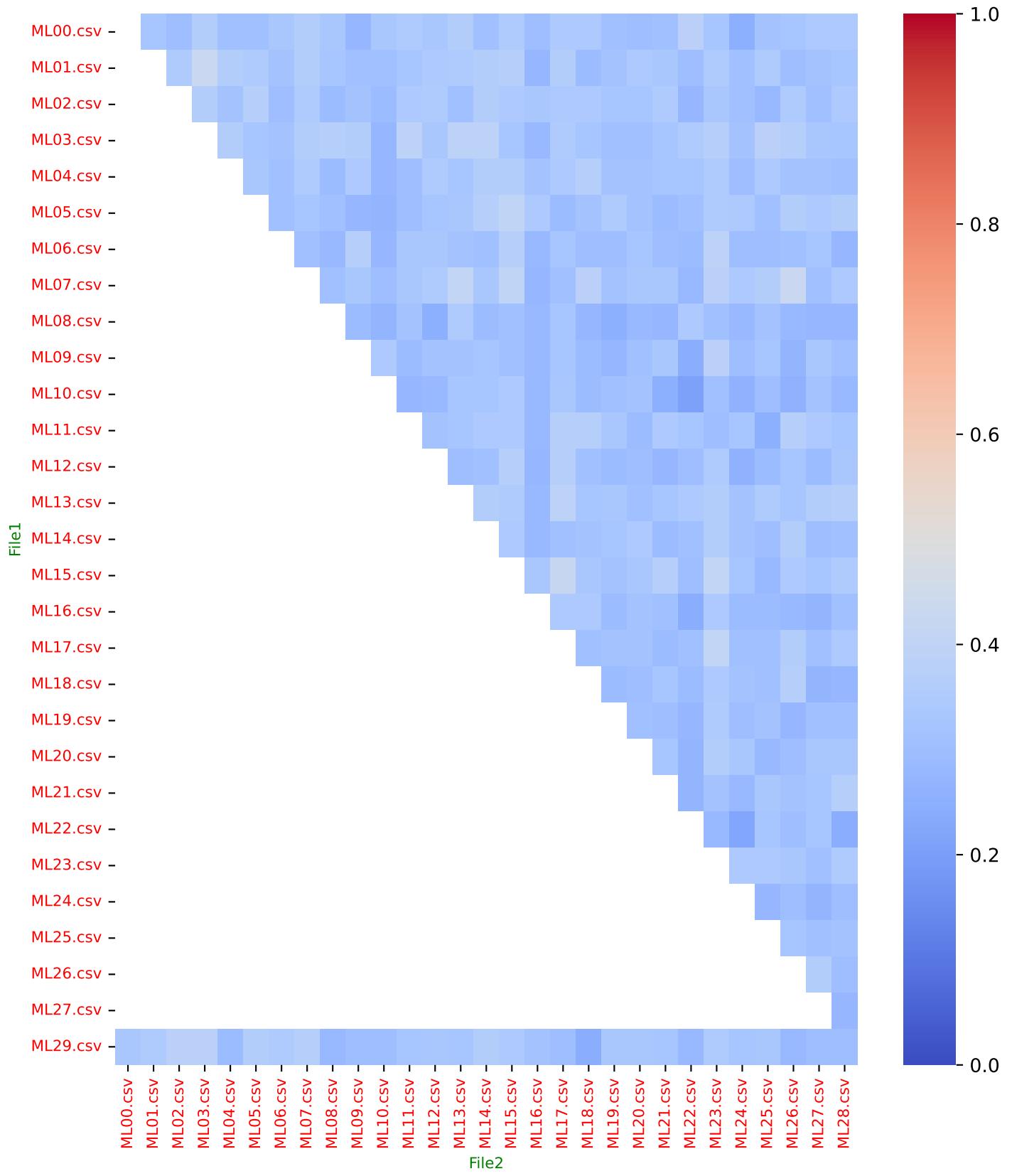
Percentage of Pairs with $\tau > 0$: 88.51%

Implementation Number 143

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

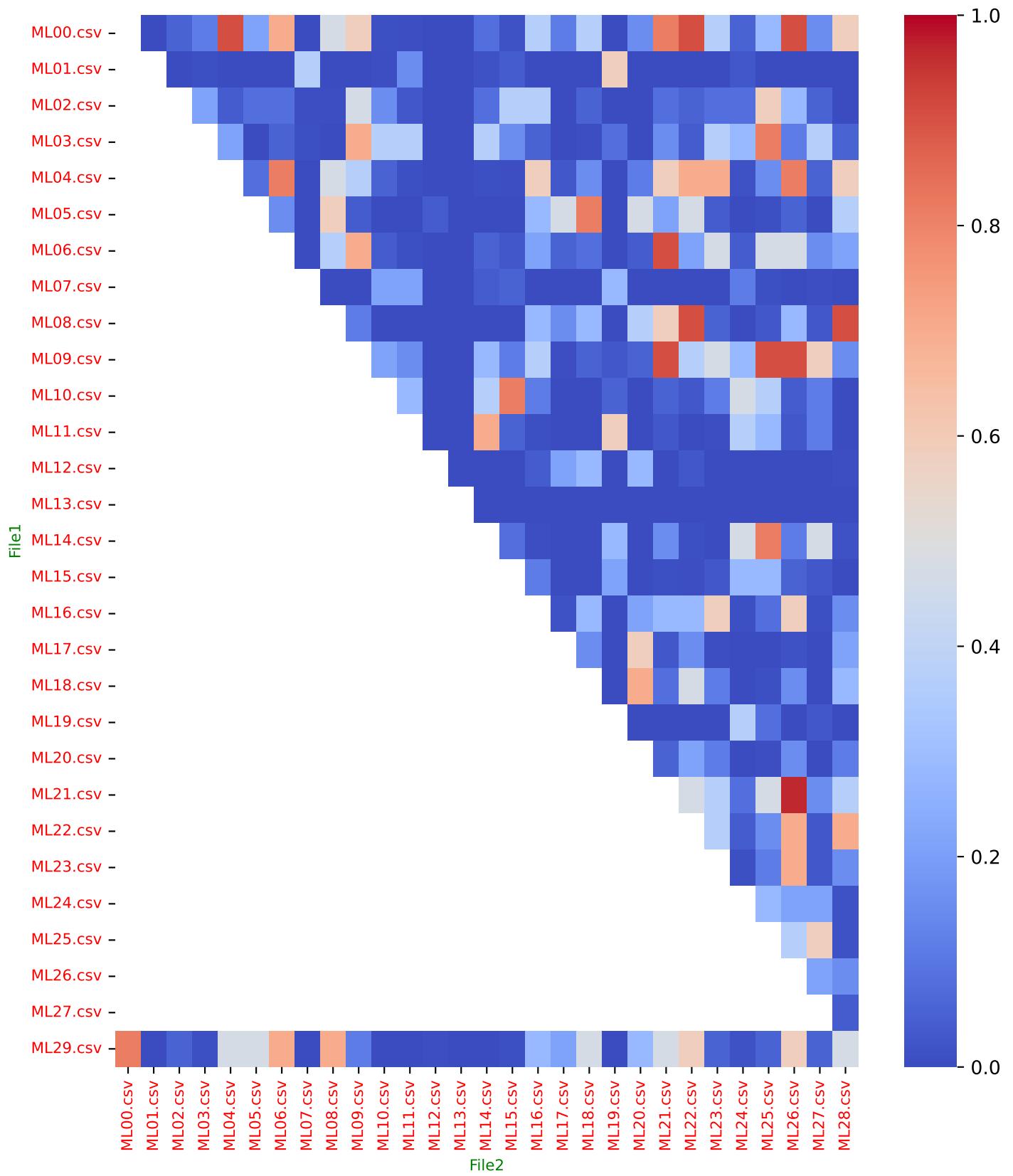


Implementation Number 143

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

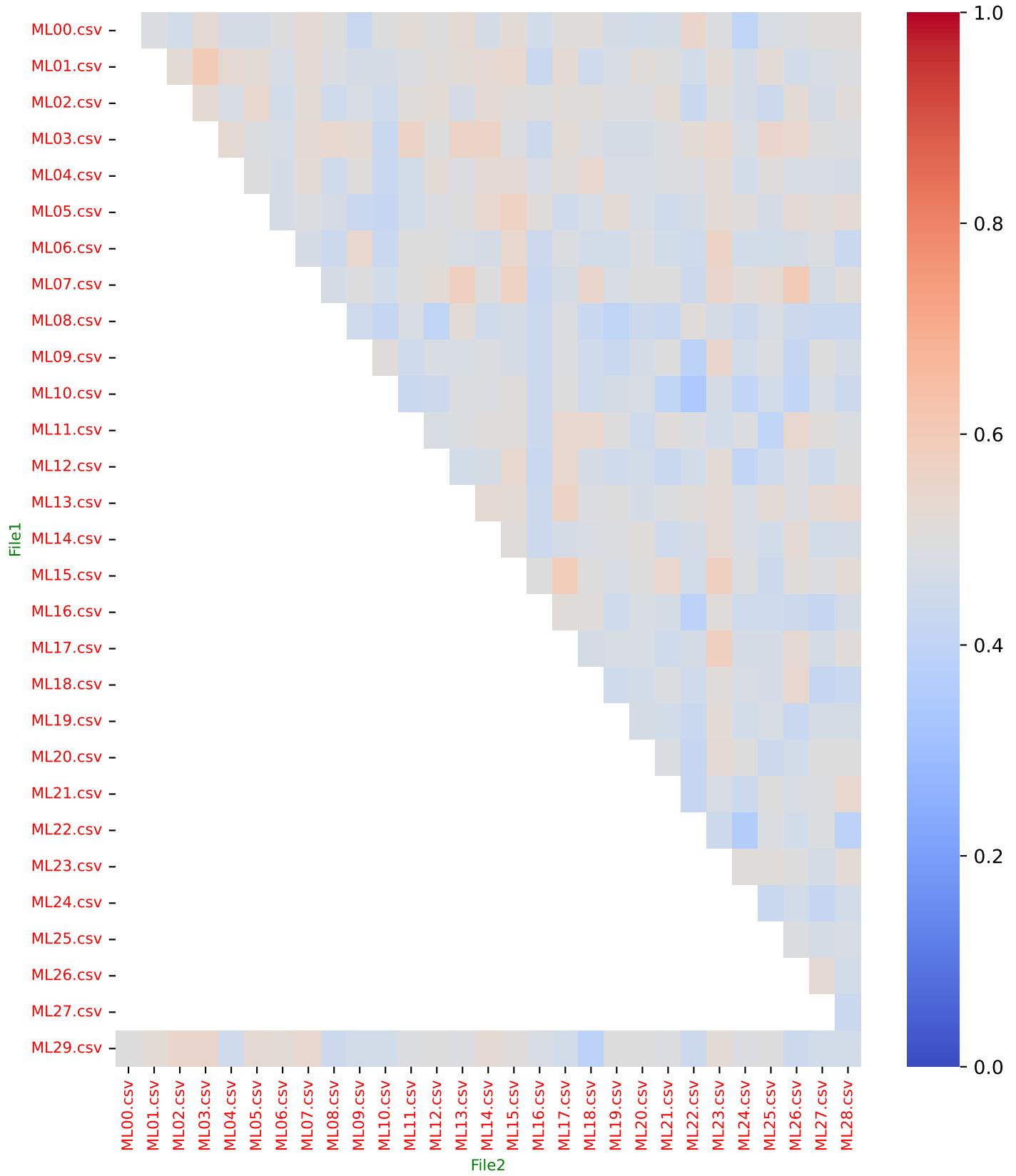


Implementation Number 143

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

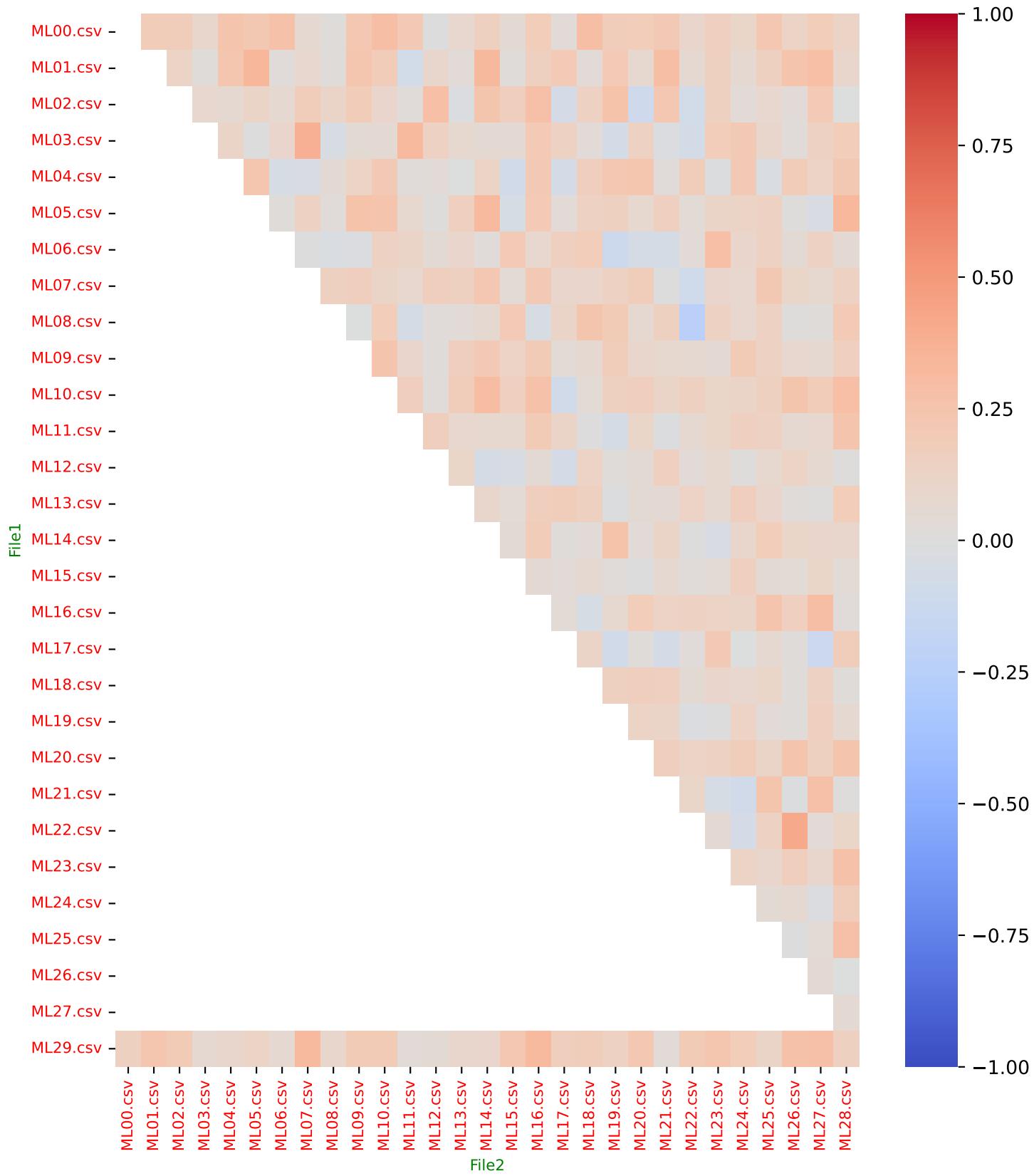


Implementation Number 143

Parameters: Top_N = 100
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 144

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 200
Number of Files: 30**

Implementation Number 144

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 144

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 144

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
053.33 %	BAKON_615	00, 01, 05, 07, 08, 10, 11, 13, 16, 20, 21, 22, 23, 24, 26, 29
093.33 %	BAKON_406	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29
076.67 %	BAKON_236	00, 04, 06, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29
080.00 %	BAKON_509	00, 01, 03, 04, 06, 07, 08, 09, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29
086.67 %	BAKON_124	00, 01, 02, 03, 04, 06, 07, 08, 09, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29
093.33 %	BAKON_259	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 26, 27, 28, 29
053.33 %	BAKON_595	00, 01, 02, 03, 04, 06, 09, 11, 15, 16, 17, 22, 23, 24, 25, 28
090.00 %	BAKON_440	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 14, 15, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
040.00 %	BAKON_180	00, 01, 03, 04, 05, 09, 13, 17, 18, 23, 26, 28
100.00 %	BAKON_186	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
100.00 %	BAKON_366	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29
093.33 %	BAKON_006	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28

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Global node Presence Mean (Weighted): 70.39%

Implementation Number 144

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML29.csv	ML00.csv	0.5625	0.7200	0.7934	0.1749
ML29.csv	ML01.csv	0.5326	0.6950	0.0021	0.1629
ML29.csv	ML02.csv	0.5385	0.7000	0.3281	0.2492
ML29.csv	ML03.csv	0.5326	0.6950	0.1421	0.1808
ML29.csv	ML04.csv	0.5504	0.7100	0.8655	0.1544
ML29.csv	ML05.csv	0.5564	0.7150	0.5453	0.3235
ML29.csv	ML06.csv	0.5444	0.7050	0.3281	0.2446
ML29.csv	ML07.csv	0.5444	0.7050	0.0043	0.2406
ML29.csv	ML08.csv	0.5444	0.7050	0.9647	0.1420
ML29.csv	ML09.csv	0.5748	0.7300	0.1779	0.2216
ML29.csv	ML10.csv	0.5152	0.6800	0.0680	0.1923
ML29.csv	ML11.csv	0.5326	0.6950	0.0163	0.1417
ML29.csv	ML12.csv	0.5686	0.7250	0.1123	0.1383
ML29.csv	ML13.csv	0.4870	0.6550	0.0010	0.2289
ML29.csv	ML14.csv	0.5564	0.7150	0.0521	0.3251
ML29.csv	ML15.csv	0.5444	0.7050	0.1421	0.2836
ML29.csv	ML16.csv	0.5326	0.6950	0.7126	0.2629
ML29.csv	ML17.csv	0.5385	0.7000	0.3281	0.2030
ML29.csv	ML18.csv	0.4815	0.6500	0.0396	0.2086
ML29.csv	ML19.csv	0.5038	0.6700	0.0085	0.0888
ML29.csv	ML20.csv	0.5209	0.6850	0.3281	0.1840
ML29.csv	ML21.csv	0.5267	0.6900	0.0878	0.1905
ML29.csv	ML22.csv	0.5385	0.7000	0.9238	0.1956
ML29.csv	ML23.csv	0.5326	0.6950	0.3281	0.2365
ML29.csv	ML24.csv	0.5209	0.6850	0.1779	0.1817
ML29.csv	ML25.csv	0.5267	0.6900	0.3281	0.2372
ML29.csv	ML26.csv	0.5326	0.6950	0.9238	0.1443
ML29.csv	ML27.csv	0.5444	0.7050	0.3281	0.1078
ML29.csv	ML28.csv	0.5038	0.6700	0.8655	0.1329
ML00.csv	ML01.csv	0.5936	0.7450	0.0061	0.1675
ML00.csv	ML02.csv	0.5625	0.7200	0.1779	0.1517
ML00.csv	ML03.csv	0.5385	0.7000	0.1779	0.2345
ML00.csv	ML04.csv	0.5385	0.7000	0.4663	0.2277
ML00.csv	ML05.csv	0.5748	0.7300	0.6284	0.2127
ML00.csv	ML06.csv	0.5748	0.7300	0.4663	0.1866

Implementation Number 144

Parameters: Top_N = 200

Number of files = 30

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML00.csv	ML07.csv	0.5504	0.7100	0.0085	0.1979
ML00.csv	ML08.csv	0.5444	0.7050	0.4663	0.1329
ML00.csv	ML09.csv	0.5564	0.7150	0.0396	0.1822
ML00.csv	ML10.csv	0.5564	0.7150	0.1421	0.2219
ML00.csv	ML11.csv	0.5209	0.6850	0.1123	0.2066
ML00.csv	ML12.csv	0.5686	0.7250	0.0878	0.1748
ML00.csv	ML13.csv	0.5038	0.6700	0.0010	0.3344
ML00.csv	ML14.csv	0.5564	0.7150	0.0878	0.2243
ML00.csv	ML15.csv	0.5564	0.7150	0.1779	0.1833
ML00.csv	ML16.csv	0.5625	0.7200	0.7934	0.2111
ML00.csv	ML17.csv	0.5686	0.7250	0.3935	0.2159
ML00.csv	ML18.csv	0.5504	0.7100	0.0030	0.2151
ML00.csv	ML19.csv	0.5686	0.7250	0.0521	0.1104
ML00.csv	ML20.csv	0.5564	0.7150	0.5453	0.2177
ML00.csv	ML21.csv	0.5810	0.7350	0.0297	0.1564

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Global Metrics:

Mean Jaccard Coefficient (J): 0.5314

Fleiss' Kappa Agreement Index (κ_F): 0.3695

Mean KS Distance Between Pairs (D): 0.1238

Mean p-value for KS Test Pairs: 0.2562

Mean KS Distance for Multiple Samples (D_{mult}): 0.0866

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.2834

Mean Kendall Tau ($\bar{\tau}$): 0.1906

Median Kendall Tau ($\tilde{\tau}$): 0.1919

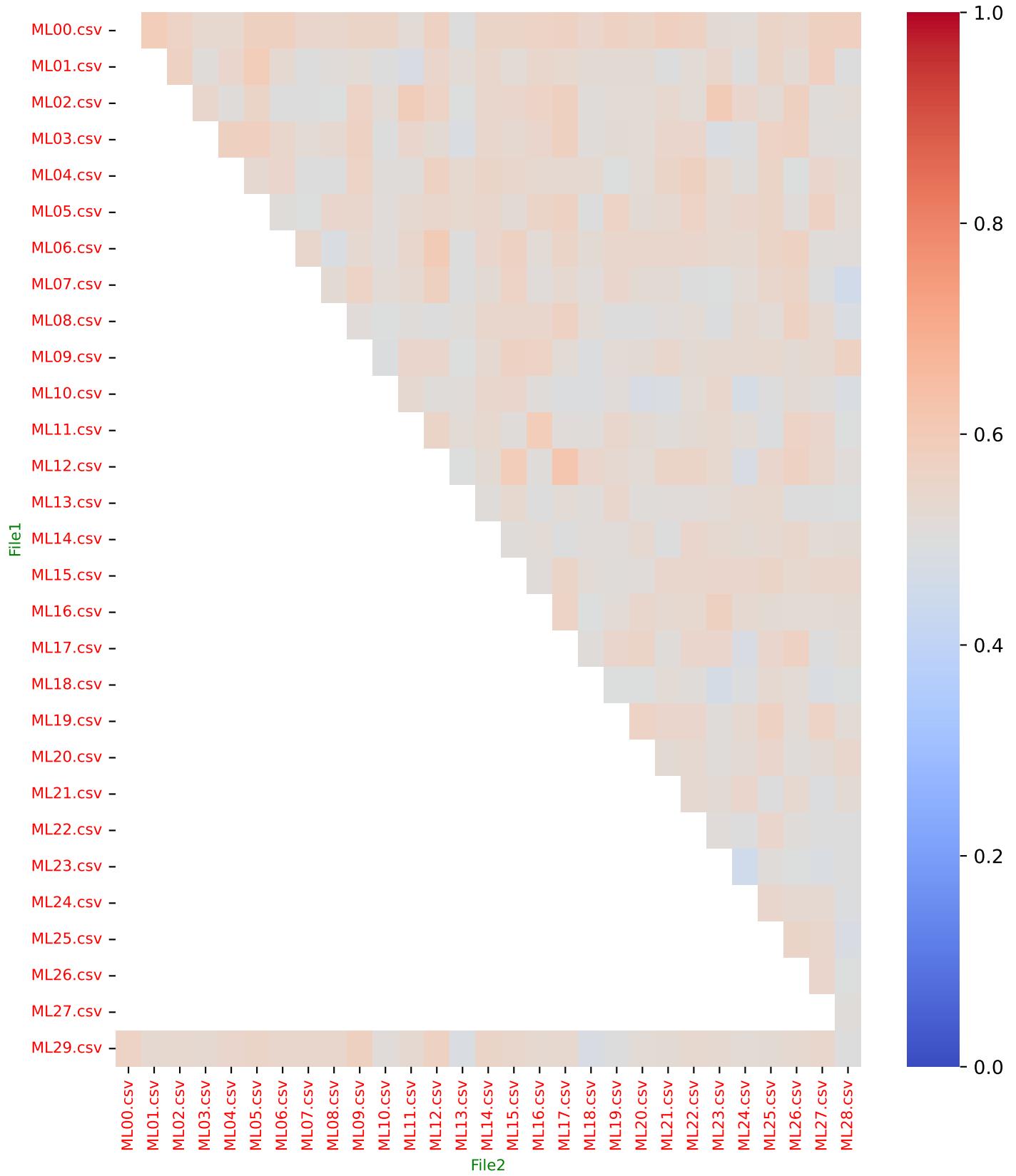
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 144

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

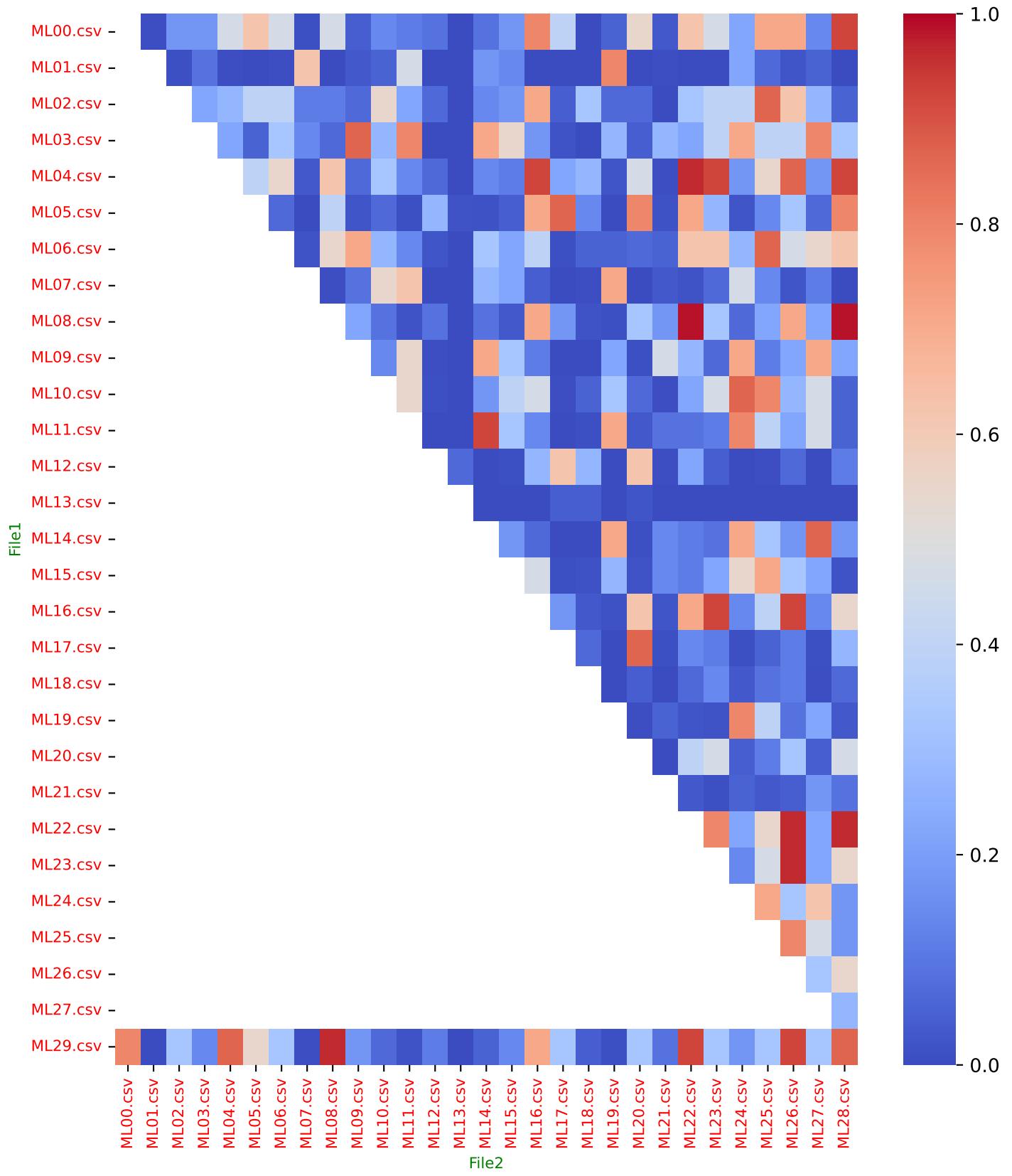


Implementation Number 144

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

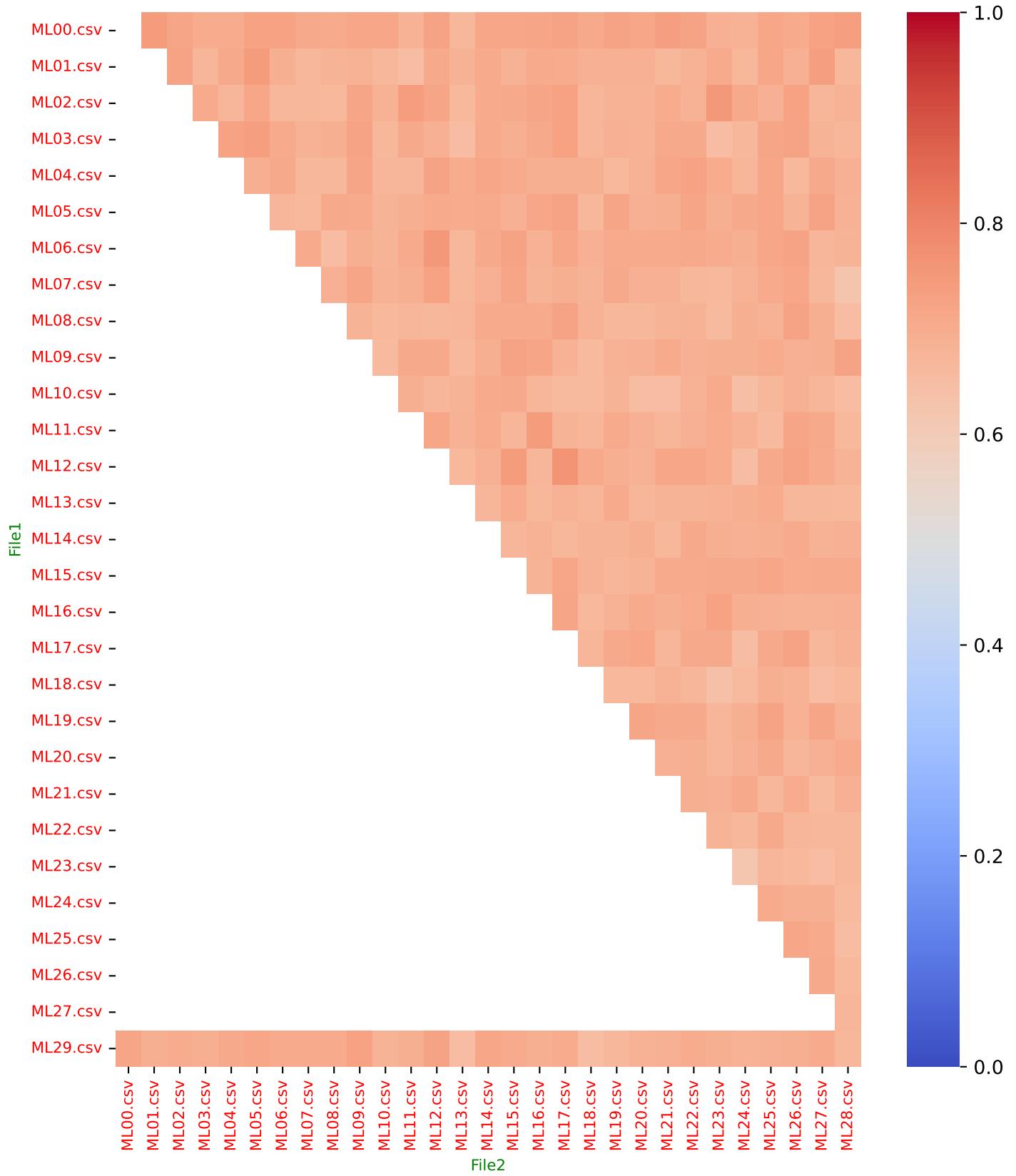


Implementation Number 144

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

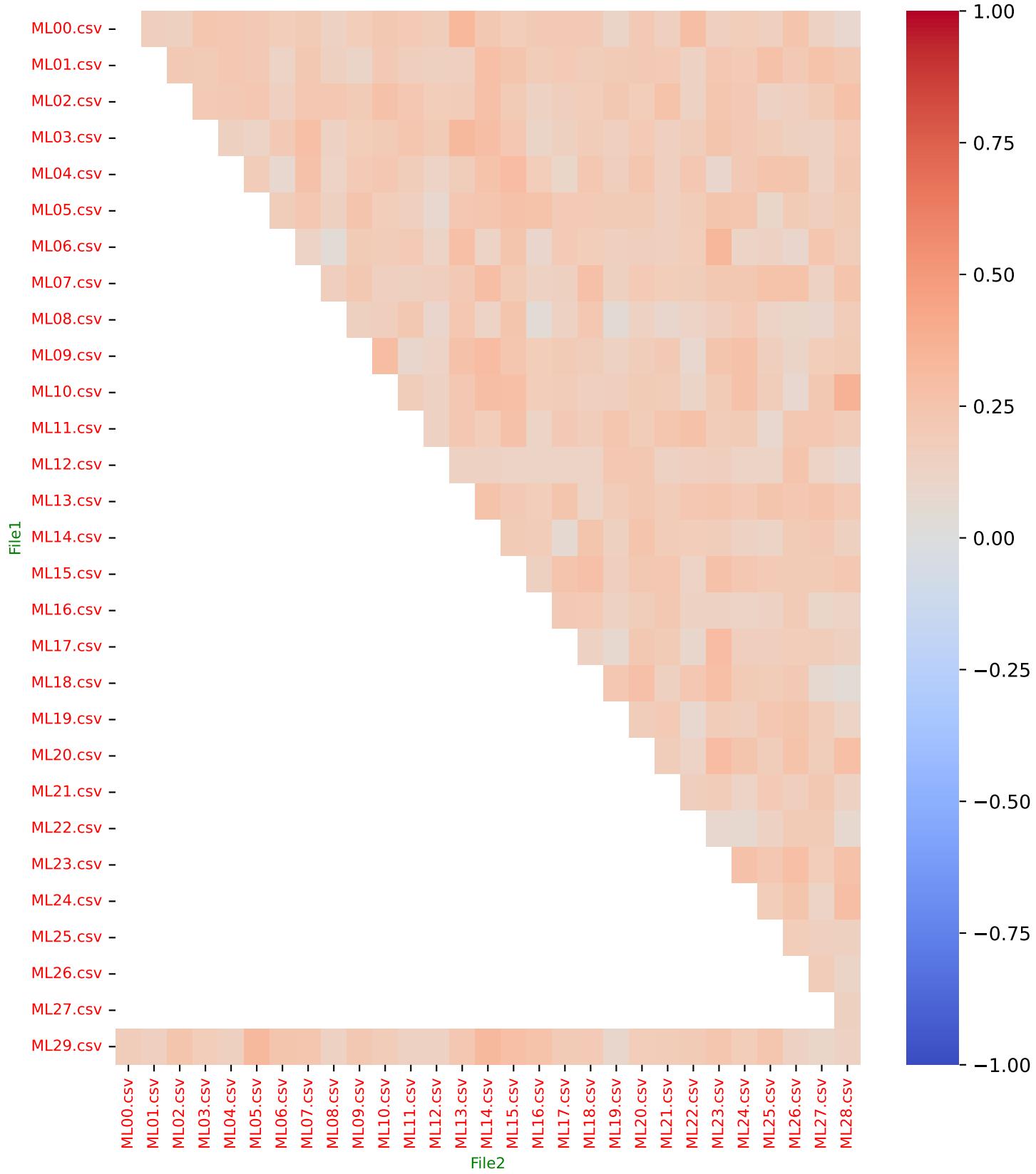


Implementation Number 144

Parameters: Top_N = 200
Number of files = 30

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 145

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 10
Number of Files: 40

Implementation Number 145

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 145

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 145

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
055.00 %	BAKON_478	00, 01, 02, 03, 07, 10, 11, 14, 15, 17, 18, 21, 22, 24, 27, 28, 29, 30, 32, 33, 37, 38
012.50 %	BAKON_571	00, 08, 25, 26, 37
015.00 %	BAKON_126	00, 03, 06, 11, 12, 31
022.50 %	BAKON_276	00, 09, 12, 15, 21, 25, 26, 28, 39
040.00 %	BAKON_130	00, 02, 04, 05, 06, 07, 09, 12, 14, 18, 23, 25, 30, 33, 34, 39
007.50 %	BAKON_125	00, 23, 25
052.50 %	BAKON_084	00, 02, 03, 04, 08, 09, 10, 11, 12, 15, 16, 19, 20, 22, 23, 26, 29, 32, 34, 37, 38
002.50 %	BAKON_273	00
027.50 %	BAKON_133	00, 08, 09, 12, 14, 18, 20, 23, 28, 34, 39
022.50 %	BAKON_470	00, 02, 10, 16, 22, 29, 30, 31, 36
037.50 %	BAKON_212	01, 04, 08, 09, 13, 18, 19, 20, 21, 22, 23, 28, 34, 37, 38
012.50 %	BAKON_373	01, 15, 19, 27, 37
020.00 %	BAKON_374	01, 06, 13, 15, 21, 27, 35, 38
025.00 %	BAKON_211	01, 03, 04, 10, 11, 15, 24, 32, 35, 36
042.50 %	BAKON_209	01, 02, 03, 04, 05, 08, 14, 20, 22, 24, 26, 28, 30, 31, 32, 34, 39
025.00 %	BAKON_083	01, 12, 15, 17, 19, 20, 21, 24, 30, 38
012.50 %	BAKON_398	01, 11, 25, 26, 34
027.50 %	BAKON_437	01, 02, 04, 08, 09, 10, 17, 25, 26, 33, 35
010.00 %	BAKON_377	01, 15, 18, 38
012.50 %	BAKON_160	02, 03, 05, 07, 31
025.00 %	BAKON_082	02, 04, 10, 14, 16, 17, 30, 36, 37, 38
025.00 %	BAKON_085	02, 04, 07, 10, 12, 13, 17, 28, 32, 37
010.00 %	BAKON_153	02, 31, 35, 39

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Global node Presence Mean (Weighted): 23.66%

Implementation Number 145

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.0526	0.1000	0.0000	nan
ML39.csv	ML01.csv	0.2500	0.4000	1.0000	1.0000
ML39.csv	ML02.csv	0.1765	0.3000	0.0000	0.3333
ML39.csv	ML03.csv	0.1111	0.2000	0.0123	nan
ML39.csv	ML04.csv	0.0526	0.1000	0.0002	nan
ML39.csv	ML05.csv	0.1111	0.2000	0.0000	1.0000
ML39.csv	ML06.csv	0.1111	0.2000	0.1678	-1.0000
ML39.csv	ML07.csv	0.1765	0.3000	0.9945	-1.0000
ML39.csv	ML08.csv	0.2500	0.4000	0.0000	-0.5774
ML39.csv	ML09.csv	0.1765	0.3000	0.0000	1.0000
ML39.csv	ML10.csv	0.1765	0.3000	0.0000	0.8165
ML39.csv	ML11.csv	0.3333	0.5000	0.0002	0.0000
ML39.csv	ML12.csv	0.0000	0.0000	0.0000	nan
ML39.csv	ML13.csv	0.1765	0.3000	0.0000	0.0000
ML39.csv	ML14.csv	0.1765	0.3000	0.0002	0.8165
ML39.csv	ML15.csv	0.1111	0.2000	0.0000	nan
ML39.csv	ML16.csv	0.0526	0.1000	0.0524	nan
ML39.csv	ML17.csv	0.1765	0.3000	0.0002	0.8165
ML39.csv	ML18.csv	0.0526	0.1000	0.0000	nan
ML39.csv	ML19.csv	0.1111	0.2000	0.0000	nan
ML39.csv	ML20.csv	0.1111	0.2000	0.0002	1.0000
ML39.csv	ML21.csv	0.1765	0.3000	0.0524	-0.5000
ML39.csv	ML22.csv	0.2500	0.4000	0.0000	nan
ML39.csv	ML23.csv	0.0526	0.1000	0.0021	nan
ML39.csv	ML24.csv	0.2500	0.4000	0.9945	0.8000
ML39.csv	ML25.csv	0.1765	0.3000	0.0000	nan
ML39.csv	ML26.csv	0.0526	0.1000	0.0000	nan
ML39.csv	ML27.csv	0.1765	0.3000	0.0002	nan
ML39.csv	ML28.csv	0.1765	0.3000	0.1678	0.8165
ML39.csv	ML29.csv	0.1765	0.3000	0.4175	1.0000
ML39.csv	ML30.csv	0.1111	0.2000	0.0000	nan
ML39.csv	ML31.csv	0.1111	0.2000	0.0123	1.0000
ML39.csv	ML32.csv	0.1111	0.2000	0.0002	1.0000
ML39.csv	ML33.csv	0.1765	0.3000	0.9945	nan
ML39.csv	ML34.csv	0.0000	0.0000	0.0000	nan

Implementation Number 145

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.0526	0.1000	0.0000	nan
ML39.csv	ML36.csv	0.1765	0.3000	0.0524	-0.8165
ML39.csv	ML37.csv	0.1111	0.2000	0.0002	1.0000
ML39.csv	ML38.csv	0.1765	0.3000	0.0021	-0.5000
ML00.csv	ML01.csv	0.1765	0.3000	0.0000	1.0000
ML00.csv	ML02.csv	0.1765	0.3000	0.0021	1.0000
ML00.csv	ML03.csv	0.2500	0.4000	0.0000	0.9129
ML00.csv	ML04.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML05.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML06.csv	0.0526	0.1000	0.0000	nan
ML00.csv	ML07.csv	0.1765	0.3000	0.0000	-0.8165
ML00.csv	ML08.csv	0.1111	0.2000	0.4175	1.0000
ML00.csv	ML09.csv	0.1765	0.3000	0.0000	1.0000
ML00.csv	ML10.csv	0.1765	0.3000	0.0002	0.8165
ML00.csv	ML11.csv	0.0526	0.1000	0.0524	nan

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1269

Fleiss' Kappa Agreement Index (κ_F): 0.1154

Mean KS Distance Between Pairs (D): 0.8501

Mean p-value for KS Test Pairs: 0.0934

Mean KS Distance for Multiple Samples (D_{mult}): 0.6150

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0199

Mean Kendall Tau ($\bar{\tau}$): 0.2532

Median Kendall Tau ($\tilde{\tau}$): 0.5000

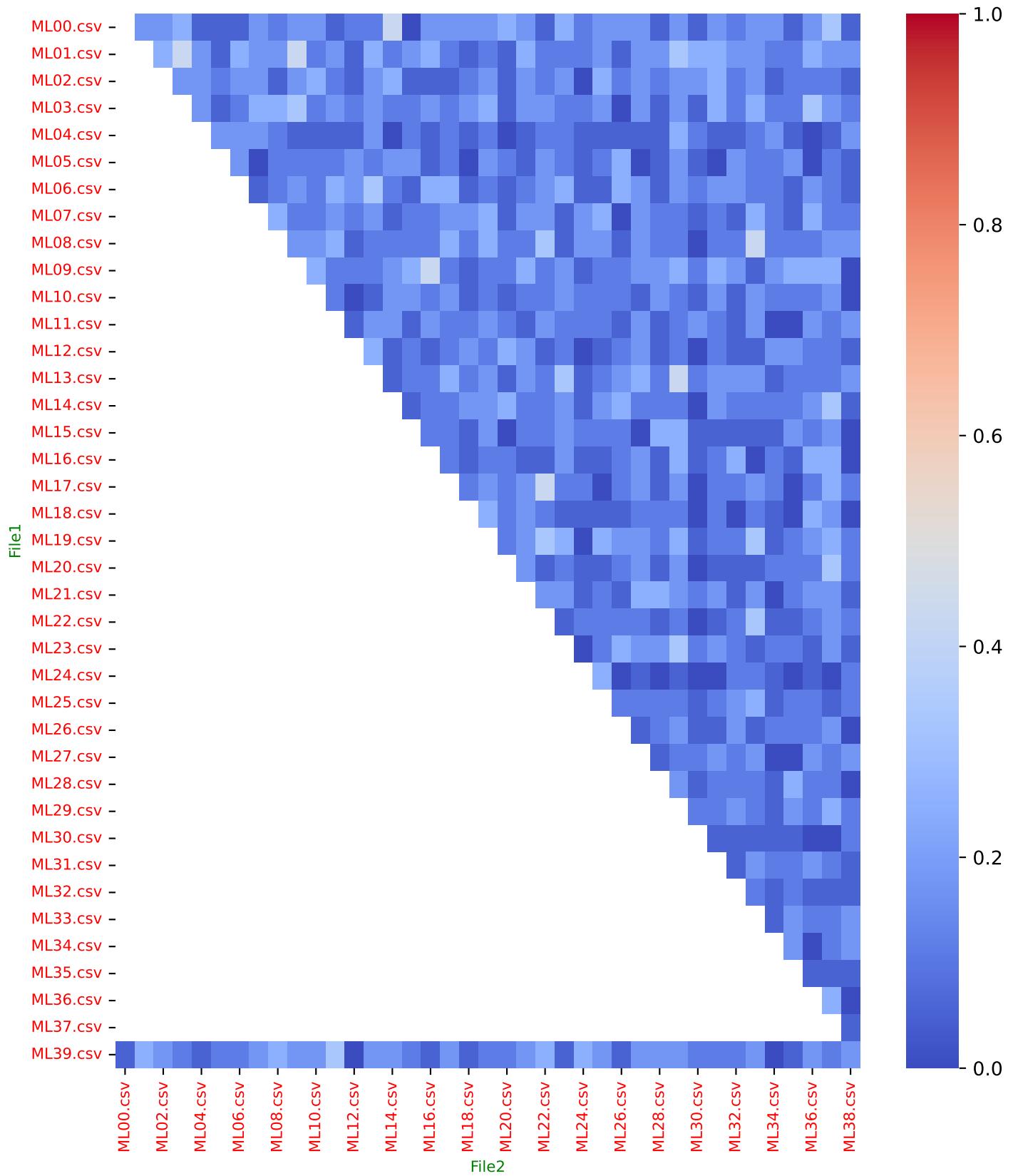
Percentage of Pairs with $\tau > 0$: 31.41%

Implementation Number 145

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

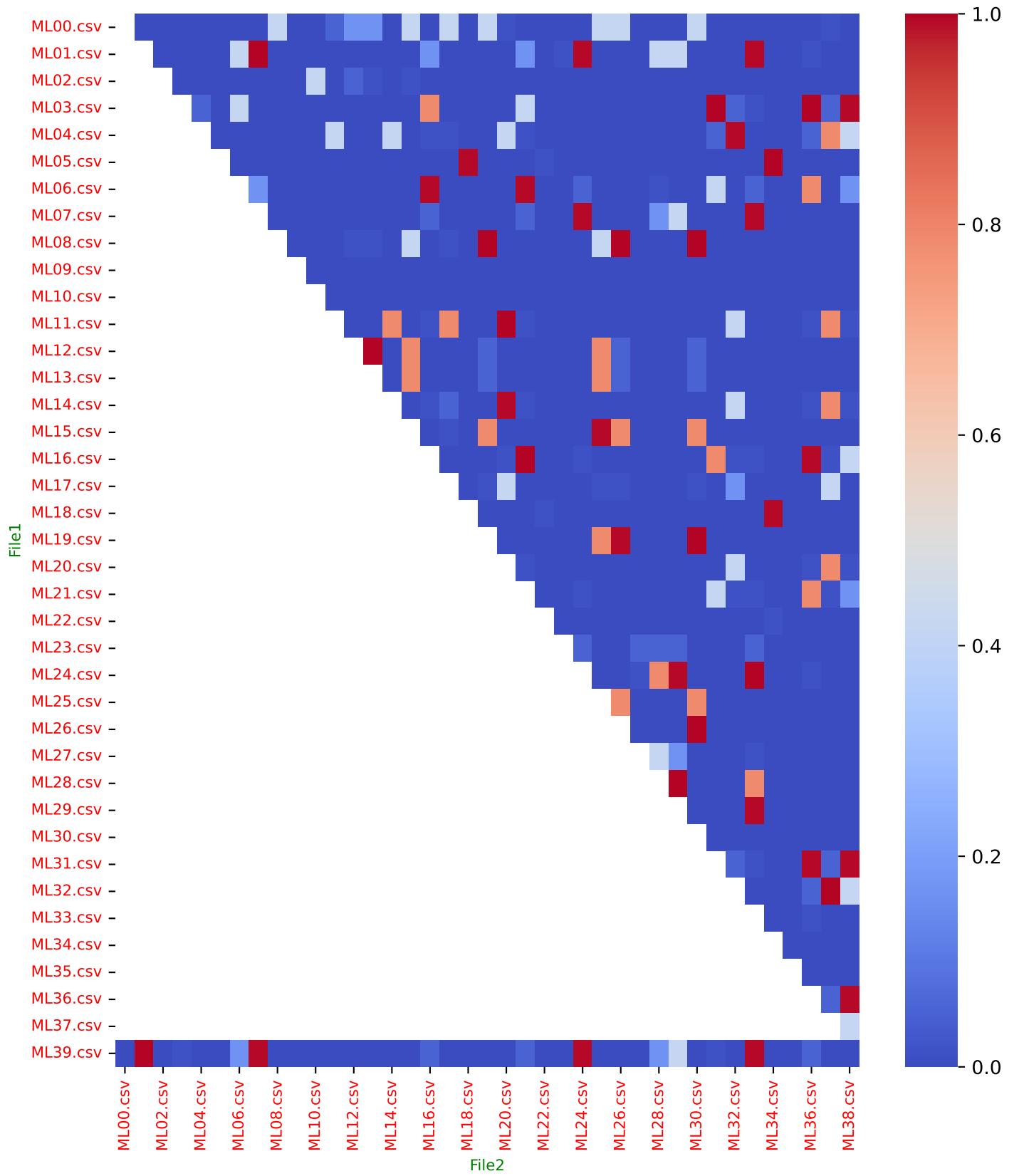


Implementation Number 145

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

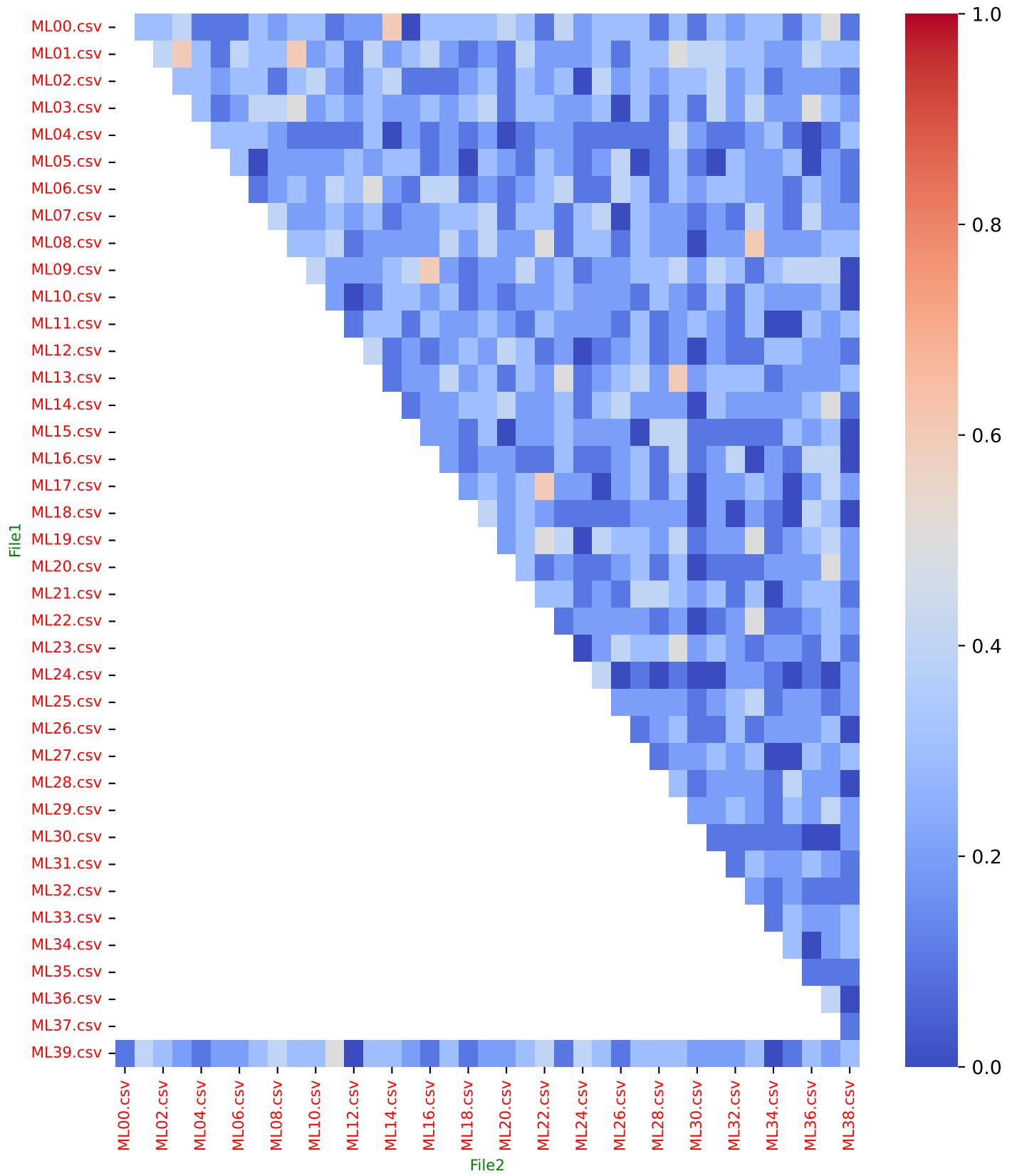


Implementation Number 145

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

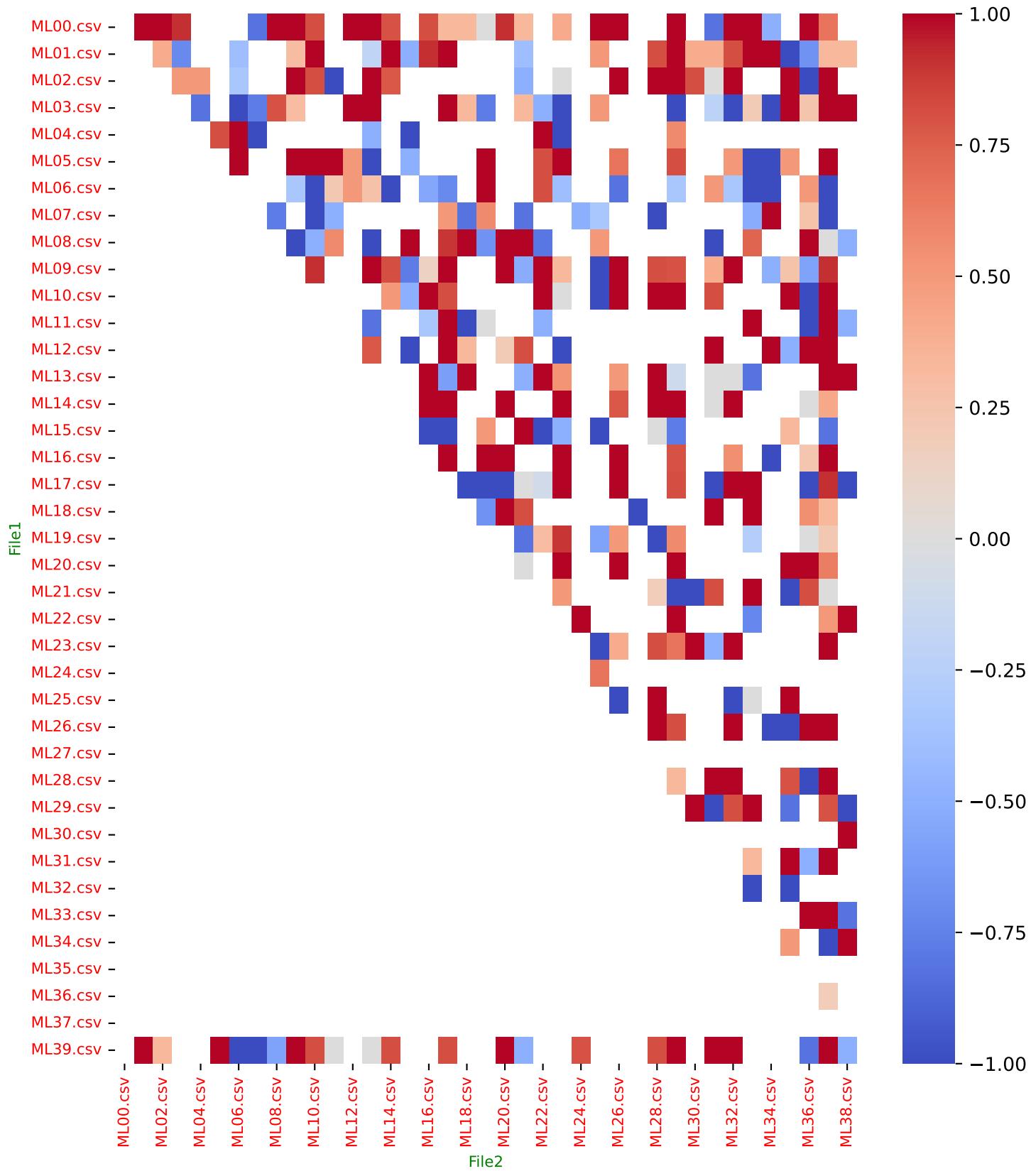


Implementation Number 145

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 146

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 20
Number of Files: 40

Implementation Number 146

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 146

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 146

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
062.50 %	BAKON_478	00, 01, 02, 03, 07, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 29, 30, 32, 33, 37, 38
027.50 %	BAKON_571	00, 01, 07, 08, 09, 13, 17, 25, 26, 37, 39
022.50 %	BAKON_126	00, 02, 03, 06, 09, 11, 12, 31, 39
030.00 %	BAKON_276	00, 09, 11, 12, 15, 18, 21, 24, 25, 26, 28, 39
057.50 %	BAKON_130	00, 02, 03, 04, 05, 06, 07, 09, 11, 12, 14, 17, 18, 23, 24, 25, 27, 28, 30, 33, 34, 36, 39
015.00 %	BAKON_125	00, 11, 17, 23, 24, 25
075.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22, 23, 26, 27, 29, 31, 32, 34, 36, 37, 38
012.50 %	BAKON_273	00, 08, 10, 22, 37
042.50 %	BAKON_133	00, 05, 08, 09, 12, 14, 18, 19, 20, 23, 24, 25, 28, 29, 32, 34, 39
030.00 %	BAKON_470	00, 02, 07, 10, 16, 22, 29, 30, 31, 34, 36, 37
012.50 %	BAKON_059	00, 14, 16, 28, 37
050.00 %	BAKON_085	00, 02, 03, 04, 07, 09, 10, 12, 13, 14, 17, 19, 20, 23, 24, 26, 28, 32, 34, 37
017.50 %	BAKON_190	00, 03, 12, 14, 31, 34, 38
032.50 %	BAKON_199	00, 10, 11, 13, 15, 17, 19, 24, 28, 29, 31, 32, 33
007.50 %	BAKON_035	00, 04, 05
045.00 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 16, 17, 18, 20, 23, 24, 27, 30, 35, 38
010.00 %	BAKON_140	00, 07, 09, 30
002.50 %	BAKON_032	00
010.00 %	BAKON_191	00, 12, 19, 34
005.00 %	BAKON_037	00, 32
050.00 %	BAKON_212	01, 04, 08, 09, 13, 18, 19, 20, 21, 22, 23, 28, 32, 33, 34, 35, 36, 37, 38, 39

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Global node Presence Mean (Weighted): 31.61%

Implementation Number 146

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.0811	0.1500	0.0000	0.3333
ML39.csv	ML01.csv	0.1765	0.3000	0.9831	0.0962
ML39.csv	ML02.csv	0.1765	0.3000	0.0000	0.4811
ML39.csv	ML03.csv	0.1111	0.2000	0.0011	0.7746
ML39.csv	ML04.csv	0.1429	0.2500	0.0000	-1.0000
ML39.csv	ML05.csv	0.1111	0.2000	0.0000	-0.1826
ML39.csv	ML06.csv	0.2121	0.3500	0.1745	-0.4384
ML39.csv	ML07.csv	0.1111	0.2000	1.0000	-0.2582
ML39.csv	ML08.csv	0.2903	0.4500	0.0000	-0.1853
ML39.csv	ML09.csv	0.2121	0.3500	0.0000	-0.1260
ML39.csv	ML10.csv	0.2500	0.4000	0.0000	0.2275
ML39.csv	ML11.csv	0.2903	0.4500	0.0000	0.5769
ML39.csv	ML12.csv	0.1111	0.2000	0.0000	-0.4000
ML39.csv	ML13.csv	0.1765	0.3000	0.0000	0.4811
ML39.csv	ML14.csv	0.1111	0.2000	0.0000	0.9129
ML39.csv	ML15.csv	0.1111	0.2000	0.0000	0.2357
ML39.csv	ML16.csv	0.2121	0.3500	0.0123	0.0556
ML39.csv	ML17.csv	0.1765	0.3000	0.0000	0.1601
ML39.csv	ML18.csv	0.1765	0.3000	0.0000	0.2010
ML39.csv	ML19.csv	0.1429	0.2500	0.0000	-0.5040
ML39.csv	ML20.csv	0.0811	0.1500	0.0000	1.0000
ML39.csv	ML21.csv	0.1111	0.2000	0.0003	0.0000
ML39.csv	ML22.csv	0.2121	0.3500	0.0000	-0.6917
ML39.csv	ML23.csv	0.2500	0.4000	0.0000	-0.1396
ML39.csv	ML24.csv	0.1429	0.2500	0.8320	0.8018
ML39.csv	ML25.csv	0.1111	0.2000	0.0000	0.5164
ML39.csv	ML26.csv	0.1111	0.2000	0.0000	0.1826
ML39.csv	ML27.csv	0.2121	0.3500	0.0040	0.1633
ML39.csv	ML28.csv	0.1429	0.2500	0.1745	0.7143
ML39.csv	ML29.csv	0.1429	0.2500	0.3356	0.2673
ML39.csv	ML30.csv	0.1429	0.2500	0.0000	-0.1768
ML39.csv	ML31.csv	0.1765	0.3000	0.0000	0.6396
ML39.csv	ML32.csv	0.0811	0.1500	0.0000	0.8165
ML39.csv	ML33.csv	0.2121	0.3500	0.8320	0.5071
ML39.csv	ML34.csv	0.0256	0.0500	0.0000	nan

Implementation Number 146

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.0811	0.1500	0.0000	nan
ML39.csv	ML36.csv	0.2121	0.3500	0.0040	0.1421
ML39.csv	ML37.csv	0.1111	0.2000	0.0000	0.5477
ML39.csv	ML38.csv	0.1429	0.2500	0.0000	-0.7500
ML00.csv	ML01.csv	0.2500	0.4000	0.0000	0.1334
ML00.csv	ML02.csv	0.1429	0.2500	0.0000	0.9487
ML00.csv	ML03.csv	0.1765	0.3000	0.0000	0.6405
ML00.csv	ML04.csv	0.1429	0.2500	0.0011	-0.6667
ML00.csv	ML05.csv	0.1429	0.2500	0.0000	0.5303
ML00.csv	ML06.csv	0.2121	0.3500	0.0000	-0.0937
ML00.csv	ML07.csv	0.2903	0.4500	0.0000	0.5013
ML00.csv	ML08.csv	0.1429	0.2500	0.0811	0.8889
ML00.csv	ML09.csv	0.2121	0.3500	0.0000	0.8333
ML00.csv	ML10.csv	0.1429	0.2500	0.0000	0.4444
ML00.csv	ML11.csv	0.1111	0.2000	0.0811	0.0000

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Global Metrics:

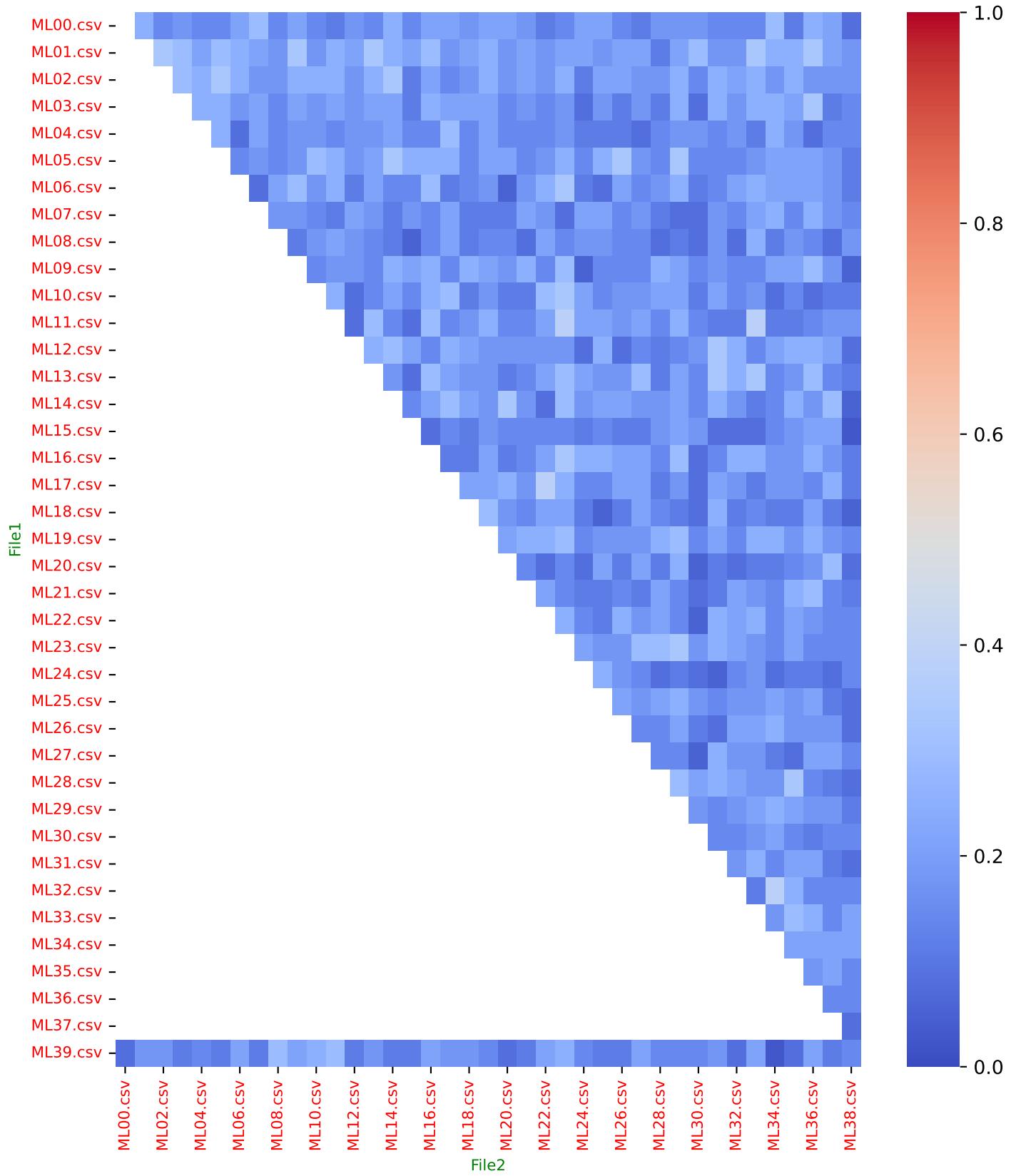
Mean Jaccard Coefficient (J): 0.1788
Fleiss' Kappa Agreement Index (κF): 0.1699
Mean KS Distance Between Pairs (D): 0.8335
Mean p-value for KS Test Pairs: 0.0737
Mean KS Distance for Multiple Samples (D_{mult}): 0.5980
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0013
Mean Kendall Tau ($\bar{\tau}$): 0.1723
Median Kendall Tau ($\tilde{\tau}$): 0.2041
Percentage of Pairs with $\tau > 0$: 60.00%

Implementation Number 146

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

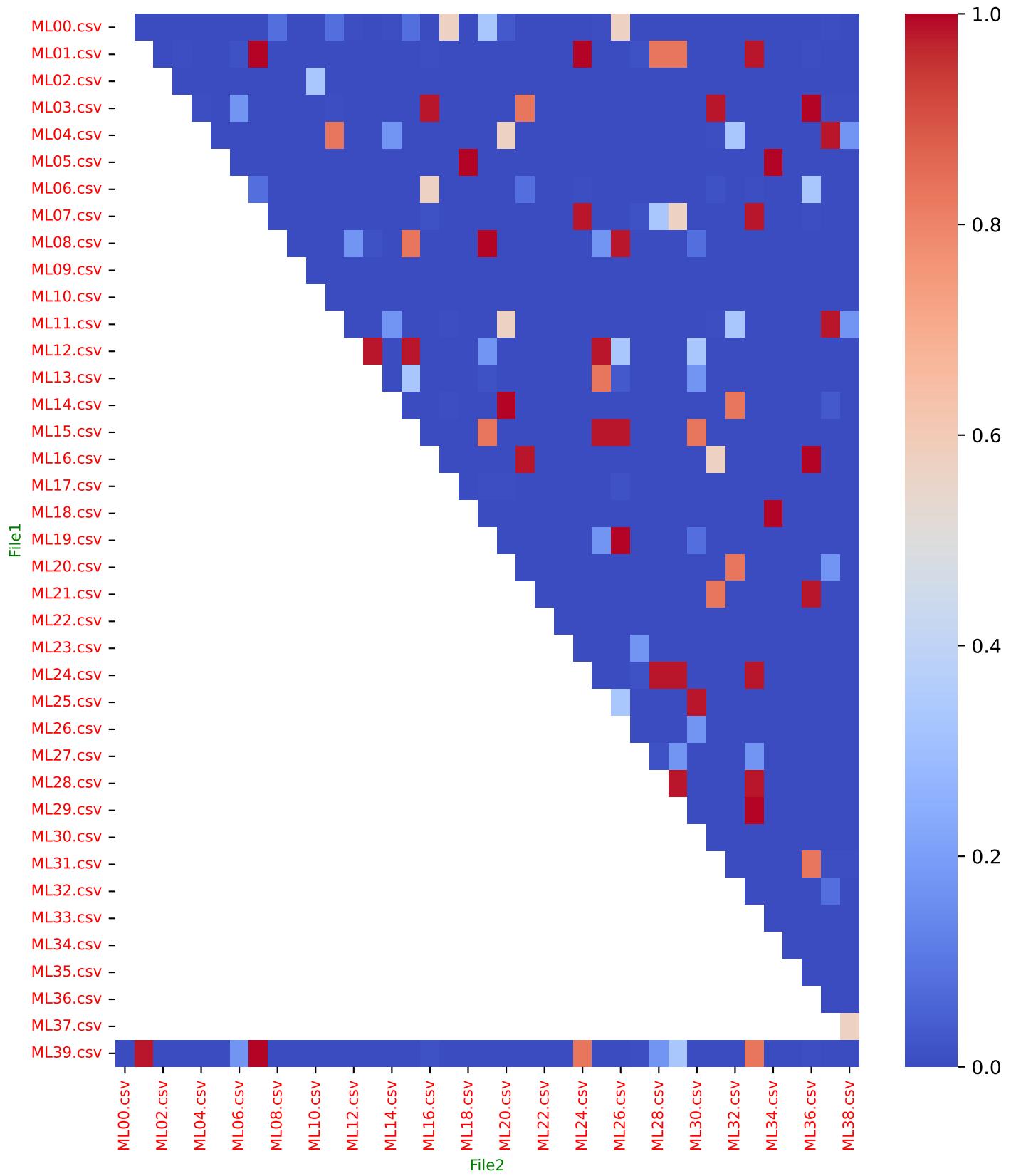


Implementation Number 146

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

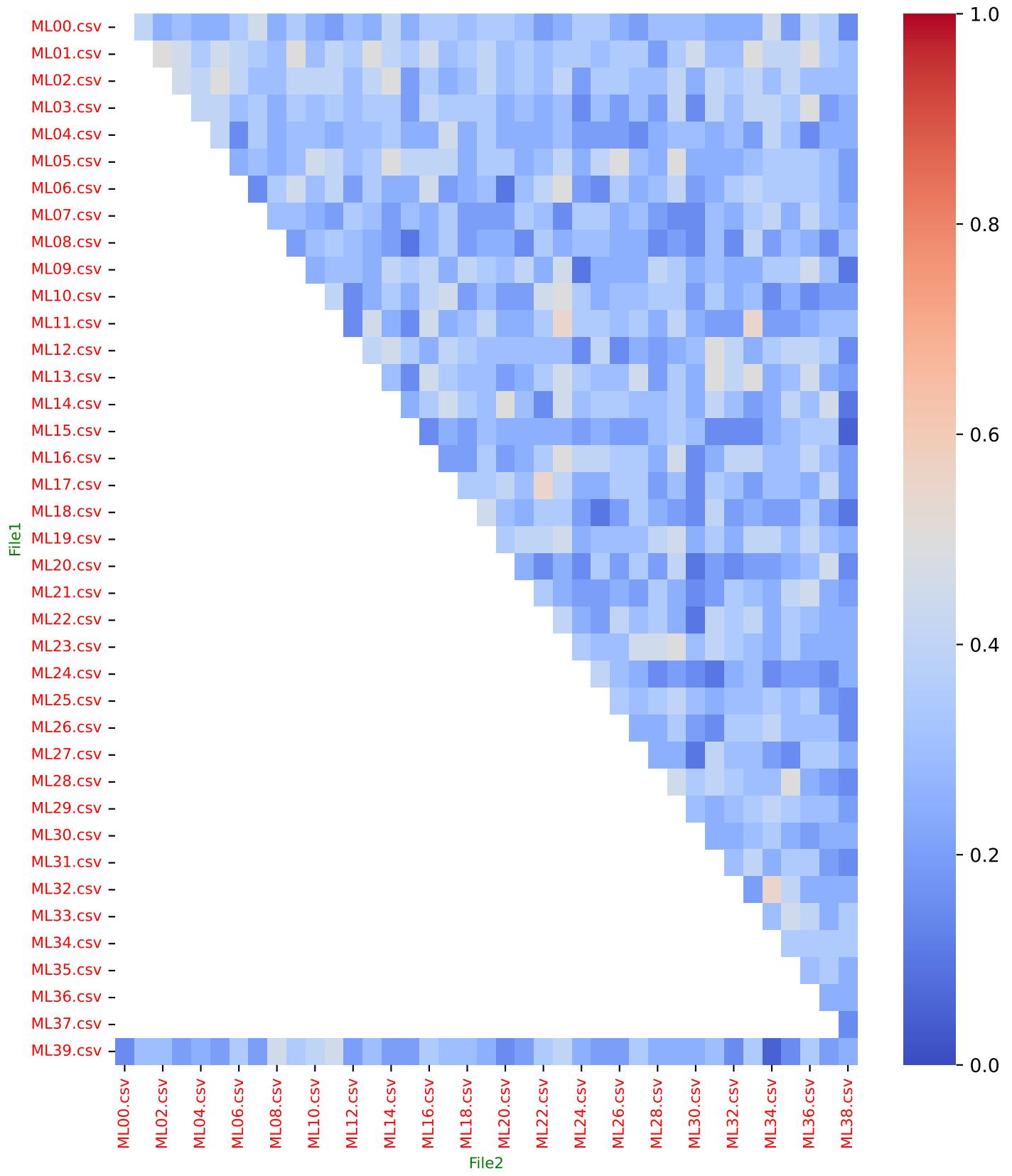


Implementation Number 146

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

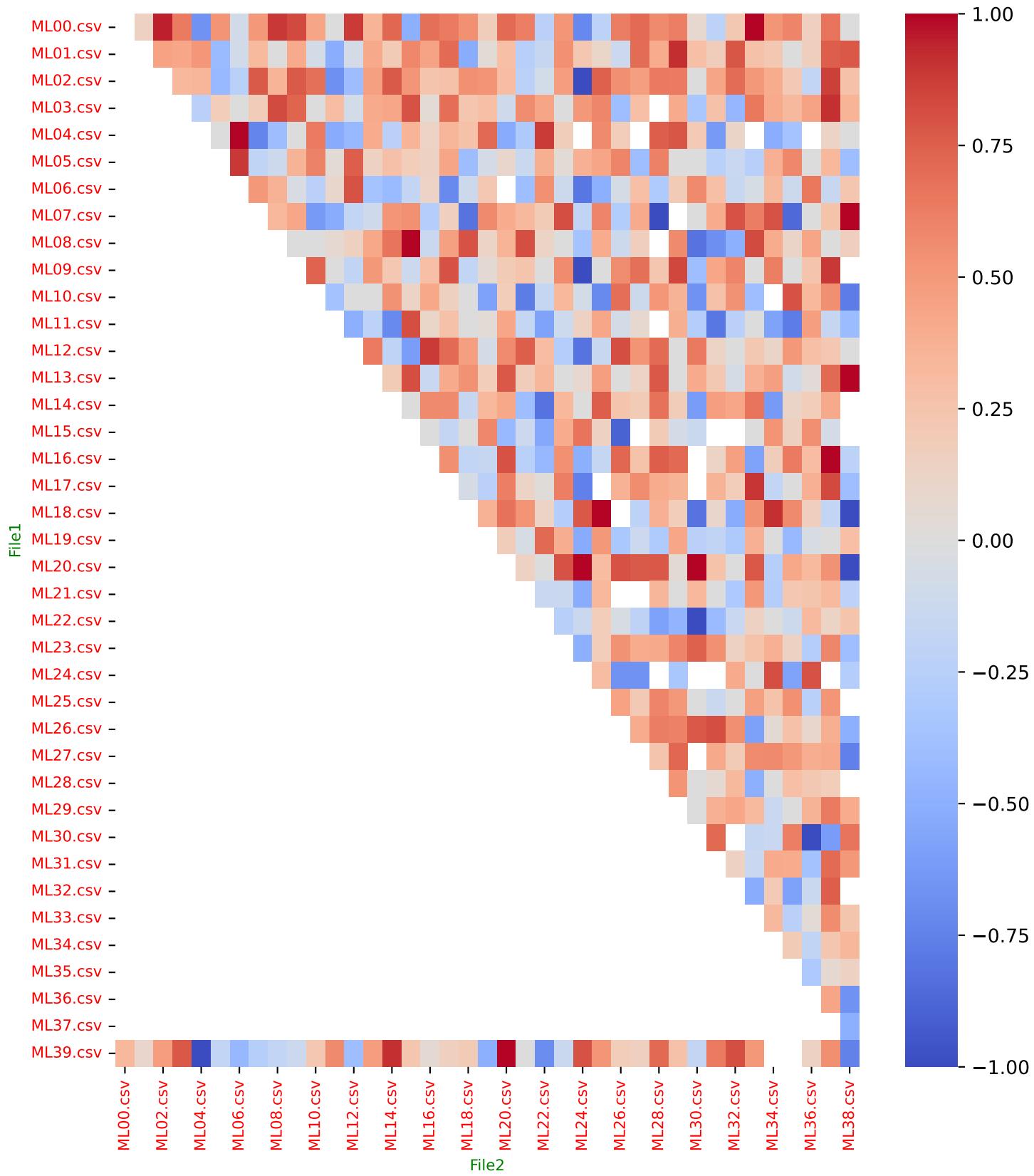


Implementation Number 146

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 147

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 30
Number of Files: 40

Implementation Number 147

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 147

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 147

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
070.00 %	BAKON_478	00, 01, 02, 03, 04, 07, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 32, 33, 35, 37, 38
035.00 %	BAKON_571	00, 01, 07, 08, 09, 13, 14, 17, 22, 25, 26, 32, 37, 39
037.50 %	BAKON_126	00, 02, 03, 04, 06, 07, 09, 11, 12, 15, 16, 27, 31, 37, 39
050.00 %	BAKON_276	00, 01, 05, 07, 08, 09, 11, 12, 15, 18, 21, 24, 25, 26, 28, 32, 33, 35, 36, 39
067.50 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 09, 11, 12, 14, 15, 17, 18, 23, 24, 25, 27, 28, 30, 33, 34, 35, 36, 38, 39
022.50 %	BAKON_125	00, 04, 11, 12, 17, 19, 23, 24, 25
077.50 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 29, 31, 32, 34, 36, 37, 38
025.00 %	BAKON_273	00, 08, 10, 12, 14, 22, 23, 31, 37, 39
055.00 %	BAKON_133	00, 01, 02, 05, 08, 09, 12, 14, 15, 17, 18, 19, 20, 23, 24, 25, 28, 29, 30, 32, 34, 39
037.50 %	BAKON_470	00, 01, 02, 07, 10, 16, 17, 21, 22, 29, 30, 31, 34, 36, 37
015.00 %	BAKON_059	00, 14, 16, 22, 28, 37
060.00 %	BAKON_085	00, 02, 03, 04, 07, 09, 10, 11, 12, 13, 14, 17, 19, 20, 21, 22, 23, 24, 26, 28, 31, 32, 34, 37
035.00 %	BAKON_190	00, 01, 03, 06, 12, 14, 19, 20, 26, 29, 30, 31, 34, 38
035.00 %	BAKON_199	00, 10, 11, 13, 15, 17, 19, 23, 24, 28, 29, 31, 32, 33
015.00 %	BAKON_035	00, 03, 04, 05, 12, 22
057.50 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 13, 14, 16, 17, 18, 20, 23, 24, 27, 29, 30, 32, 33, 35, 38
012.50 %	BAKON_140	00, 07, 09, 13, 30
007.50 %	BAKON_032	00, 05, 17
012.50 %	BAKON_191	00, 06, 12, 19, 34

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Global node Presence Mean (Weighted): 36.85%

Implementation Number 147

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	K_S_p	Kendall
ML39.csv	ML00.csv	0.2245	0.3667	0.0000	0.1221
ML39.csv	ML01.csv	0.2000	0.3333	0.5941	0.2390
ML39.csv	ML02.csv	0.2245	0.3667	0.0000	0.4534
ML39.csv	ML03.csv	0.1538	0.2667	0.0009	-0.3185
ML39.csv	ML04.csv	0.1765	0.3000	0.0000	-0.0818
ML39.csv	ML05.csv	0.2500	0.4000	0.0000	0.1489
ML39.csv	ML06.csv	0.2000	0.3333	0.3929	-0.5067
ML39.csv	ML07.csv	0.1538	0.2667	0.3929	0.4187
ML39.csv	ML08.csv	0.1765	0.3000	0.0000	-0.1853
ML39.csv	ML09.csv	0.2000	0.3333	0.0000	0.0942
ML39.csv	ML10.csv	0.2245	0.3667	0.0000	0.1522
ML39.csv	ML11.csv	0.3043	0.4667	0.0000	0.4783
ML39.csv	ML12.csv	0.2245	0.3667	0.0000	-0.2957
ML39.csv	ML13.csv	0.2245	0.3667	0.0000	0.0472
ML39.csv	ML14.csv	0.2766	0.4333	0.0000	0.2660
ML39.csv	ML15.csv	0.2000	0.3333	0.0000	0.0574
ML39.csv	ML16.csv	0.2766	0.4333	0.0009	-0.0170
ML39.csv	ML17.csv	0.1765	0.3000	0.0000	0.4234
ML39.csv	ML18.csv	0.1765	0.3000	0.0000	0.0456
ML39.csv	ML19.csv	0.1765	0.3000	0.0000	0.0000
ML39.csv	ML20.csv	0.2000	0.3333	0.0000	0.3287
ML39.csv	ML21.csv	0.2500	0.4000	0.0000	0.0000
ML39.csv	ML22.csv	0.2766	0.4333	0.0000	-0.0932
ML39.csv	ML23.csv	0.2766	0.4333	0.0000	0.1855
ML39.csv	ML24.csv	0.1538	0.2667	0.3929	0.2227
ML39.csv	ML25.csv	0.2000	0.3333	0.0000	0.3233
ML39.csv	ML26.csv	0.1765	0.3000	0.0000	-0.1437
ML39.csv	ML27.csv	0.2245	0.3667	0.0000	0.5413
ML39.csv	ML28.csv	0.1765	0.3000	0.1350	0.5808
ML39.csv	ML29.csv	0.2500	0.4000	0.0156	0.0717
ML39.csv	ML30.csv	0.2245	0.3667	0.0000	-0.3241
ML39.csv	ML31.csv	0.2500	0.4000	0.0000	0.1306
ML39.csv	ML32.csv	0.1538	0.2667	0.0000	0.2010
ML39.csv	ML33.csv	0.1765	0.3000	0.0156	0.6261
ML39.csv	ML34.csv	0.1538	0.2667	0.0000	-0.5145

Implementation Number 147

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.1538	0.2667	0.0000	-0.5151
ML39.csv	ML36.csv	0.2000	0.3333	0.0346	-0.0549
ML39.csv	ML37.csv	0.1538	0.2667	0.0000	0.1903
ML39.csv	ML38.csv	0.2000	0.3333	0.0000	0.4000
ML00.csv	ML01.csv	0.3043	0.4667	0.0000	0.3000
ML00.csv	ML02.csv	0.2766	0.4333	0.0000	0.3622
ML00.csv	ML03.csv	0.2000	0.3333	0.0000	0.2308
ML00.csv	ML04.csv	0.2000	0.3333	0.0001	0.2100
ML00.csv	ML05.csv	0.1765	0.3000	0.0000	0.0000
ML00.csv	ML06.csv	0.2500	0.4000	0.0000	-0.2396
ML00.csv	ML07.csv	0.3333	0.5000	0.0000	0.1326
ML00.csv	ML08.csv	0.1765	0.3000	0.0065	0.4457
ML00.csv	ML09.csv	0.2245	0.3667	0.0000	0.6979
ML00.csv	ML10.csv	0.2000	0.3333	0.0000	0.3469
ML00.csv	ML11.csv	0.2000	0.3333	0.0001	-0.6275

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Global Metrics:

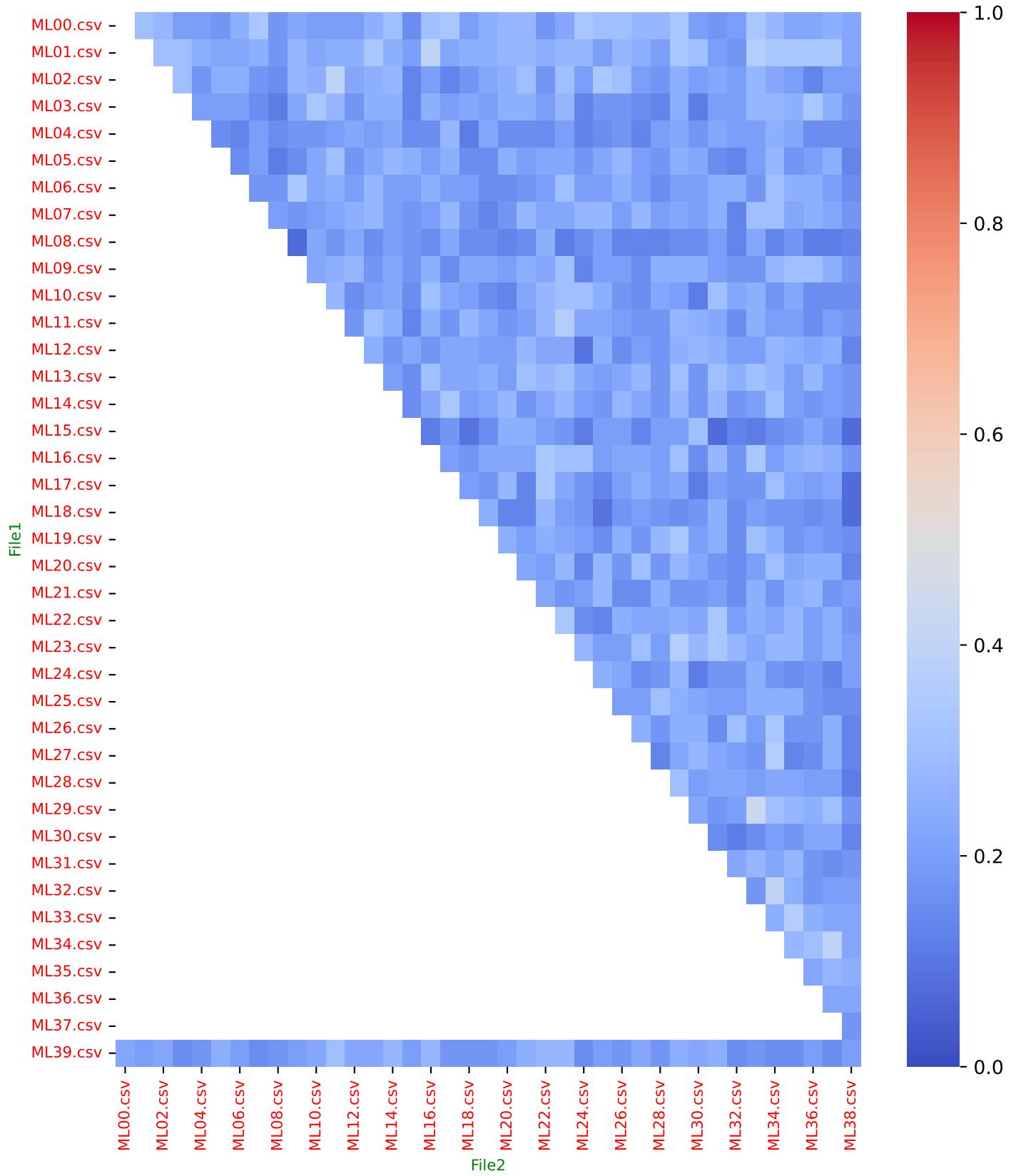
Mean Jaccard Coefficient (J): 0.2164
Fleiss' Kappa Agreement Index (κF): 0.2104
Mean KS Distance Between Pairs (D): 0.8203
Mean p-value for KS Test Pairs: 0.0581
Mean KS Distance for Multiple Samples (D_{mult}): 0.5932
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0001
Mean Kendall Tau ($\bar{\tau}$): 0.1773
Median Kendall Tau ($\tilde{\tau}$): 0.2001
Percentage of Pairs with $\tau > 0$: 72.05%

Implementation Number 147

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

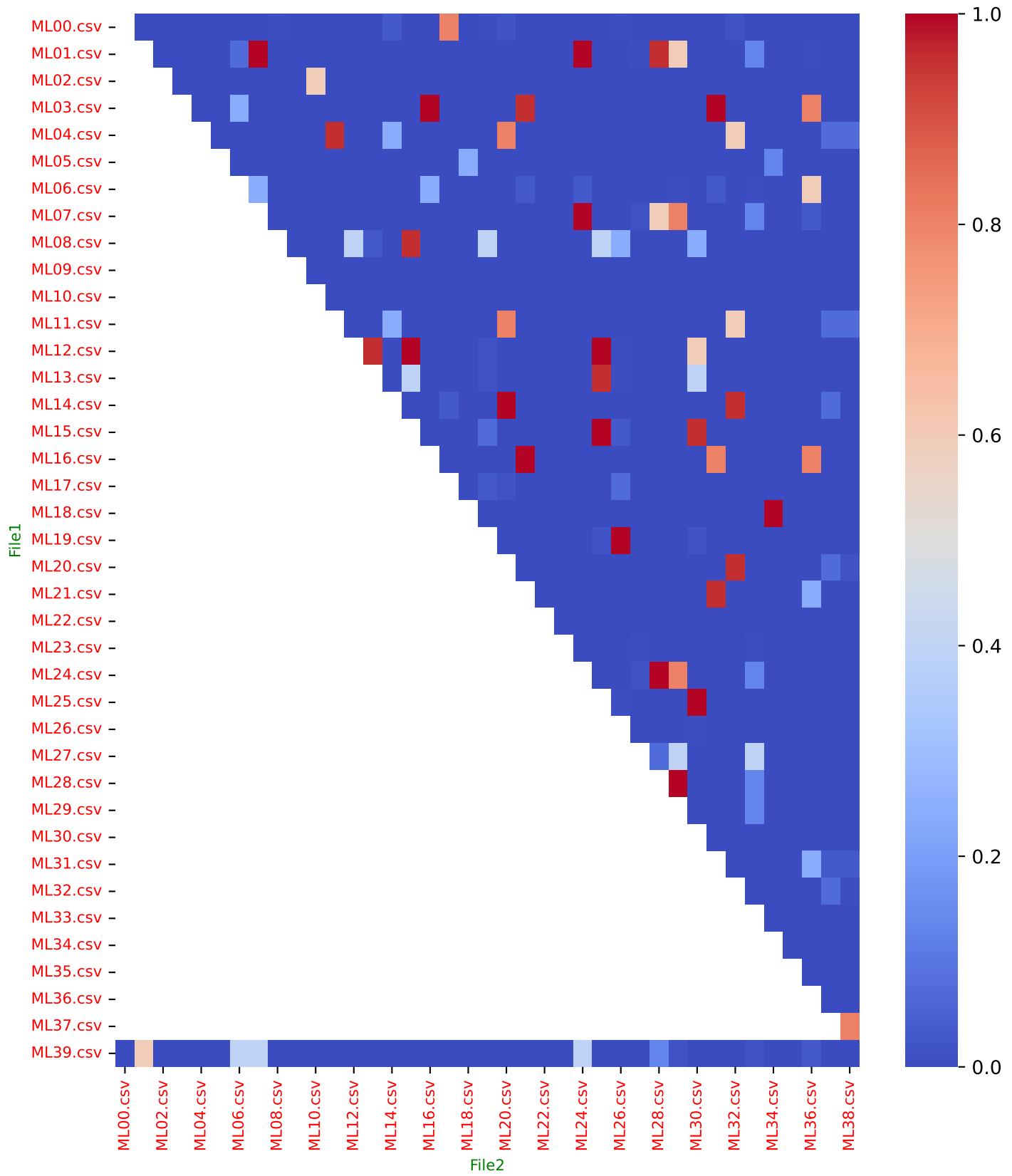


Implementation Number 147

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

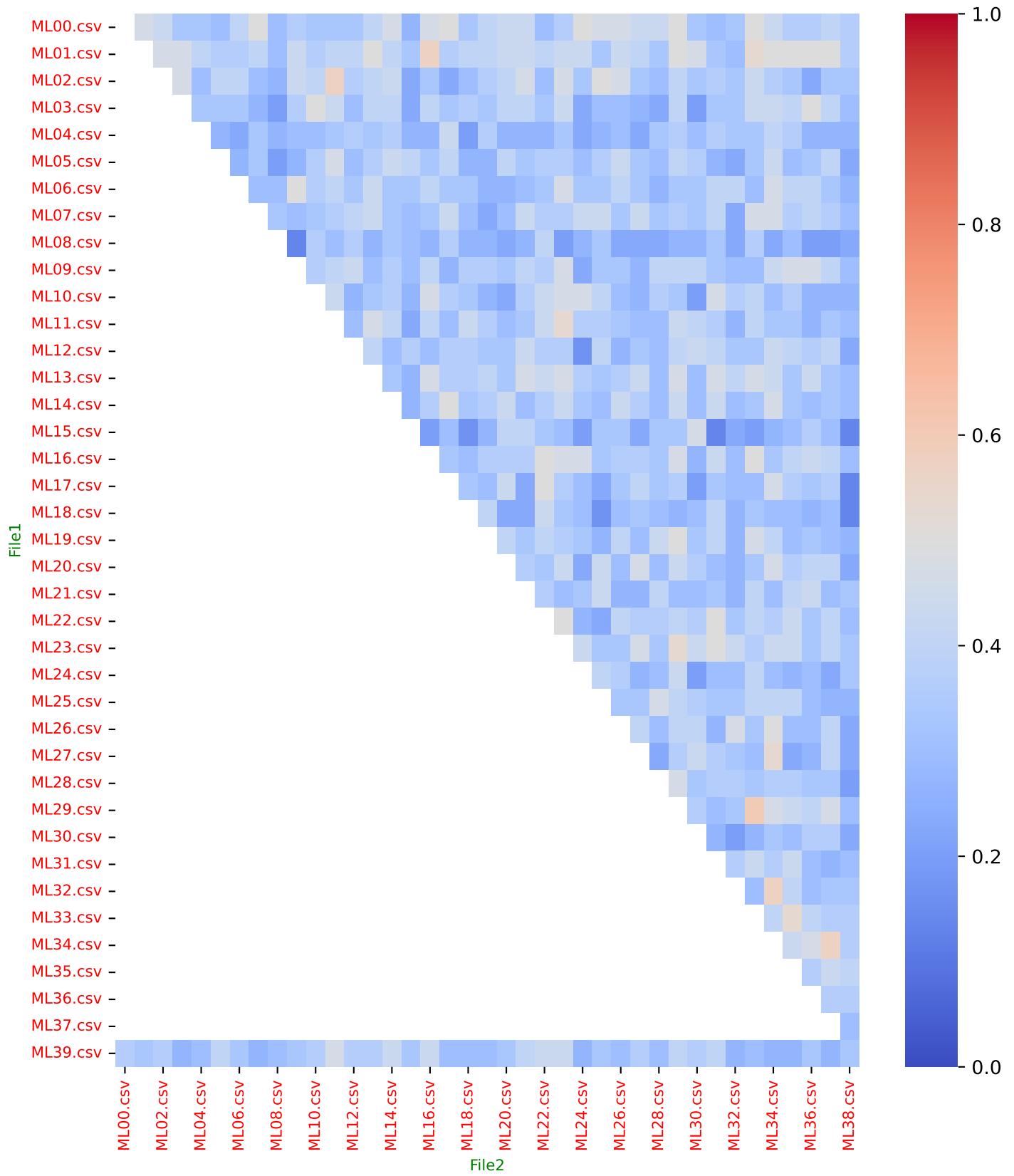


Implementation Number 147

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

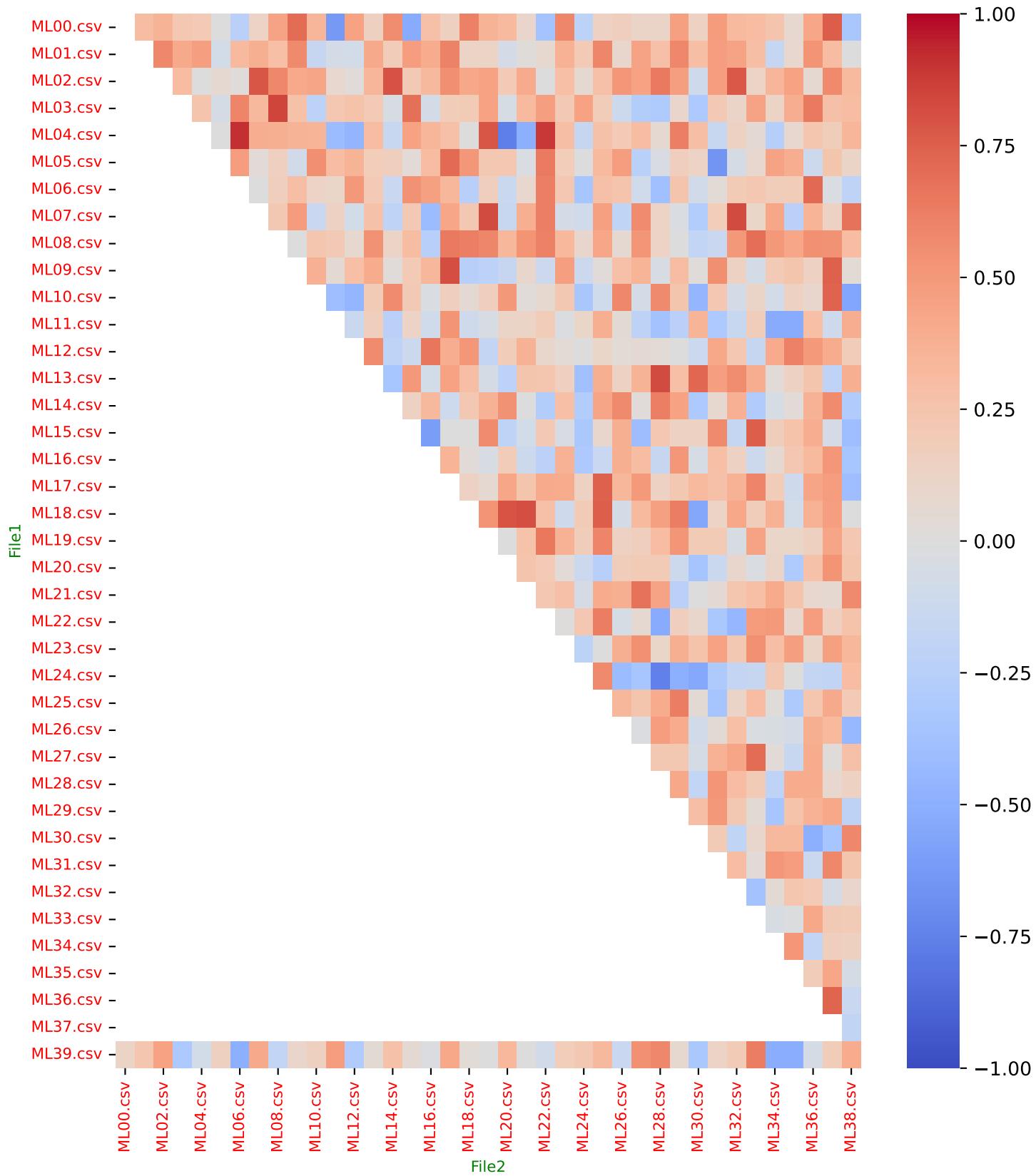


Implementation Number 147

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 148

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 50
Number of Files: 40

Implementation Number 148

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 148

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 148

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
075.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 07, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 32, 33, 34, 35, 37, 38
050.00 %	BAKON_571	00, 01, 06, 07, 08, 09, 11, 13, 14, 17, 18, 22, 25, 26, 28, 31, 32, 35, 37, 39
050.00 %	BAKON_126	00, 02, 03, 04, 06, 07, 09, 11, 12, 15, 16, 19, 20, 24, 27, 29, 31, 34, 37, 39
070.00 %	BAKON_276	00, 01, 02, 05, 07, 08, 09, 10, 11, 12, 15, 16, 17, 18, 19, 21, 24, 25, 26, 28, 30, 32, 33, 34, 35, 36, 37, 39
075.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 14, 15, 17, 18, 20, 23, 24, 25, 27, 28, 29, 30, 33, 34, 35, 36, 38, 39
037.50 %	BAKON_125	00, 04, 11, 12, 14, 17, 18, 19, 23, 24, 25, 27, 31, 32, 33
085.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 29, 31, 32, 33, 34, 35, 36, 37, 38, 39
045.00 %	BAKON_273	00, 04, 08, 10, 11, 12, 13, 14, 16, 18, 20, 22, 23, 24, 28, 31, 37, 39
070.00 %	BAKON_133	00, 01, 02, 03, 05, 06, 07, 08, 09, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29, 30, 32, 34, 35, 39
062.50 %	BAKON_470	00, 01, 02, 03, 05, 07, 08, 10, 15, 16, 17, 19, 21, 22, 23, 25, 27, 29, 30, 31, 32, 34, 36, 37, 38
025.00 %	BAKON_059	00, 02, 08, 14, 16, 19, 22, 26, 28, 37
082.50 %	BAKON_085	00, 01, 02, 03, 04, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 31, 32, 33, 34, 35, 37, 39
060.00 %	BAKON_190	00, 01, 02, 03, 05, 06, 07, 09, 12, 14, 15, 17, 19, 20, 25, 26, 29, 30, 31, 33, 34, 36, 37, 38
060.00 %	BAKON_199	00, 02, 03, 06, 07, 10, 11, 12, 13, 14, 15, 16, 17, 19, 23, 24, 25, 27, 28, 29, 31, 32, 33, 38
030.00 %	BAKON_035	00, 03, 04, 05, 07, 11, 12, 18, 22, 28, 38, 39
067.50 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 27, 29, 30, 31, 32, 33, 35, 38
027.50 %	BAKON_140	00, 04, 07, 09, 10, 13, 18, 23, 25, 30, 35

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Global node Presence Mean (Weighted): 46.47%

Implementation Number 148

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.2821	0.4400	0.0000	0.2753
ML39.csv	ML01.csv	0.3514	0.5200	0.8693	0.2005
ML39.csv	ML02.csv	0.3158	0.4800	0.0000	0.2886
ML39.csv	ML03.csv	0.2500	0.4000	0.0002	0.0674
ML39.csv	ML04.csv	0.3333	0.5000	0.0000	0.1852
ML39.csv	ML05.csv	0.2987	0.4600	0.0000	0.0509
ML39.csv	ML06.csv	0.2987	0.4600	0.7166	0.1203
ML39.csv	ML07.csv	0.2500	0.4000	0.3959	0.1789
ML39.csv	ML08.csv	0.2658	0.4200	0.0000	0.4405
ML39.csv	ML09.csv	0.2658	0.4200	0.0000	0.1274
ML39.csv	ML10.csv	0.3333	0.5000	0.0000	0.2000
ML39.csv	ML11.csv	0.3514	0.5200	0.0000	0.3334
ML39.csv	ML12.csv	0.2821	0.4400	0.0000	-0.0118
ML39.csv	ML13.csv	0.3514	0.5200	0.0000	0.1890
ML39.csv	ML14.csv	0.2821	0.4400	0.0000	0.1388
ML39.csv	ML15.csv	0.2658	0.4200	0.0000	-0.1904
ML39.csv	ML16.csv	0.3158	0.4800	0.0002	0.1429
ML39.csv	ML17.csv	0.2821	0.4400	0.0000	0.3868
ML39.csv	ML18.csv	0.2500	0.4000	0.0000	-0.0798
ML39.csv	ML19.csv	0.2821	0.4400	0.0000	-0.0226
ML39.csv	ML20.csv	0.2658	0.4200	0.0000	0.0803
ML39.csv	ML21.csv	0.2987	0.4600	0.0006	0.3181
ML39.csv	ML22.csv	0.3333	0.5000	0.0000	0.3065
ML39.csv	ML23.csv	0.2987	0.4600	0.0000	0.0955
ML39.csv	ML24.csv	0.2658	0.4200	0.7166	0.2351
ML39.csv	ML25.csv	0.2658	0.4200	0.0000	0.4378
ML39.csv	ML26.csv	0.2500	0.4000	0.0000	0.1289
ML39.csv	ML27.csv	0.2500	0.4000	0.0000	0.2995
ML39.csv	ML28.csv	0.3514	0.5200	0.2719	0.0420
ML39.csv	ML29.csv	0.3158	0.4800	0.0013	0.0937
ML39.csv	ML30.csv	0.2987	0.4600	0.0000	-0.2433
ML39.csv	ML31.csv	0.3333	0.5000	0.0002	0.1044
ML39.csv	ML32.csv	0.3158	0.4800	0.0000	0.0147
ML39.csv	ML33.csv	0.2500	0.4000	0.0000	-0.1101
ML39.csv	ML34.csv	0.3514	0.5200	0.0000	-0.1512

Implementation Number 148

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.2195	0.3600	0.0000	0.0602
ML39.csv	ML36.csv	0.2821	0.4400	0.0392	0.2459
ML39.csv	ML37.csv	0.2658	0.4200	0.0000	0.1598
ML39.csv	ML38.csv	0.2987	0.4600	0.0000	0.0279
ML00.csv	ML01.csv	0.4286	0.6000	0.0000	0.2718
ML00.csv	ML02.csv	0.3158	0.4800	0.0000	0.3575
ML00.csv	ML03.csv	0.1905	0.3200	0.0000	0.3350
ML00.csv	ML04.csv	0.3514	0.5200	0.0028	0.0617
ML00.csv	ML05.csv	0.3333	0.5000	0.0000	-0.0299
ML00.csv	ML06.csv	0.2987	0.4600	0.0000	0.1730
ML00.csv	ML07.csv	0.3514	0.5200	0.0000	0.3226
ML00.csv	ML08.csv	0.3158	0.4800	0.0000	0.2347
ML00.csv	ML09.csv	0.2821	0.4400	0.0000	0.1789
ML00.csv	ML10.csv	0.3158	0.4800	0.0000	0.1917
ML00.csv	ML11.csv	0.3158	0.4800	0.0028	0.2648

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2926

Fleiss' Kappa Agreement Index (κ_F): 0.2825

Mean KS Distance Between Pairs (D): 0.8014

Mean p-value for KS Test Pairs: 0.0580

Mean KS Distance for Multiple Samples (D_{mult}): 0.5792

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000

Mean Kendall Tau ($\bar{\tau}$): 0.1826

Median Kendall Tau ($\tilde{\tau}$): 0.1936

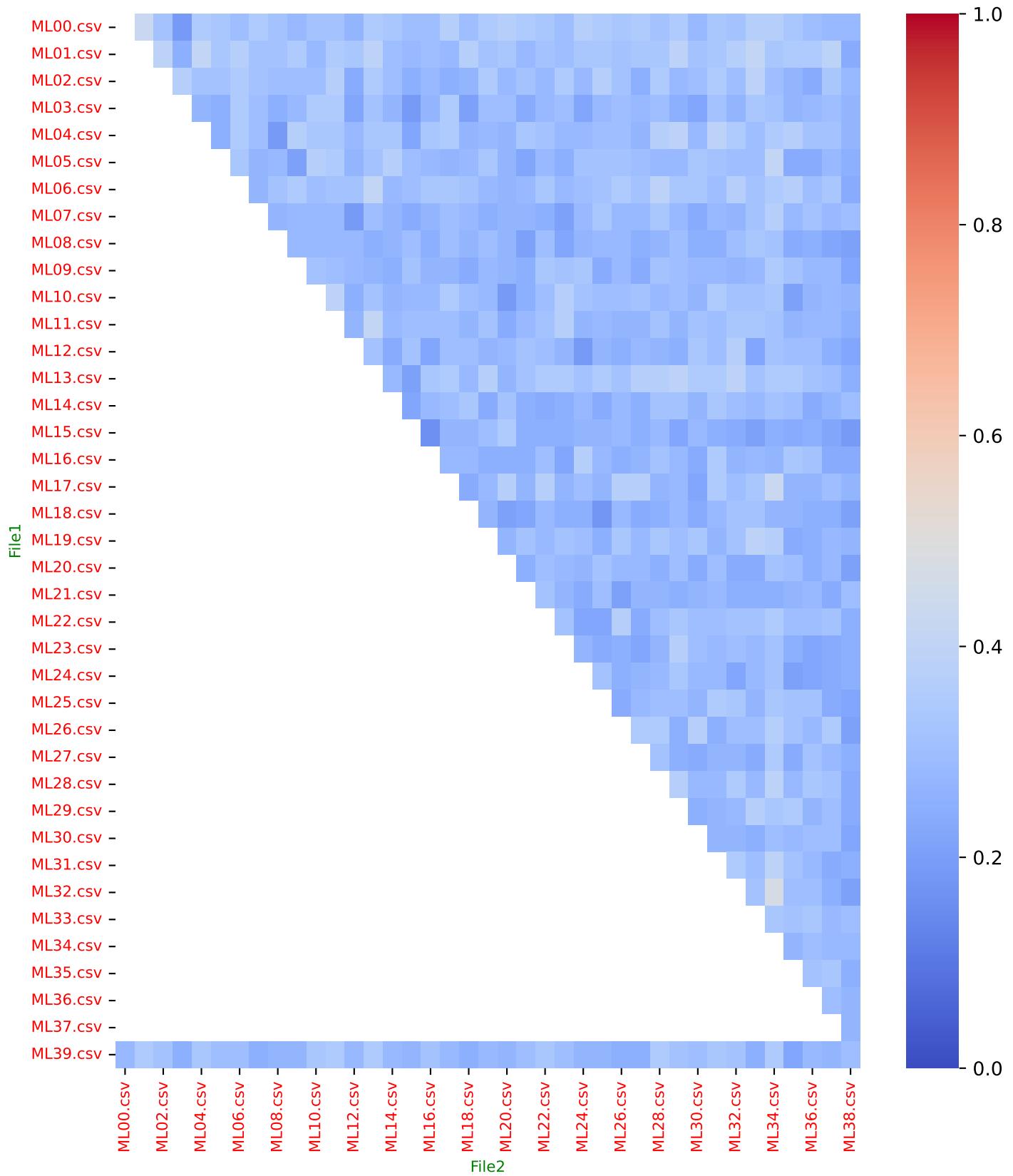
Percentage of Pairs with $\tau > 0$: 82.56%

Implementation Number 148

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

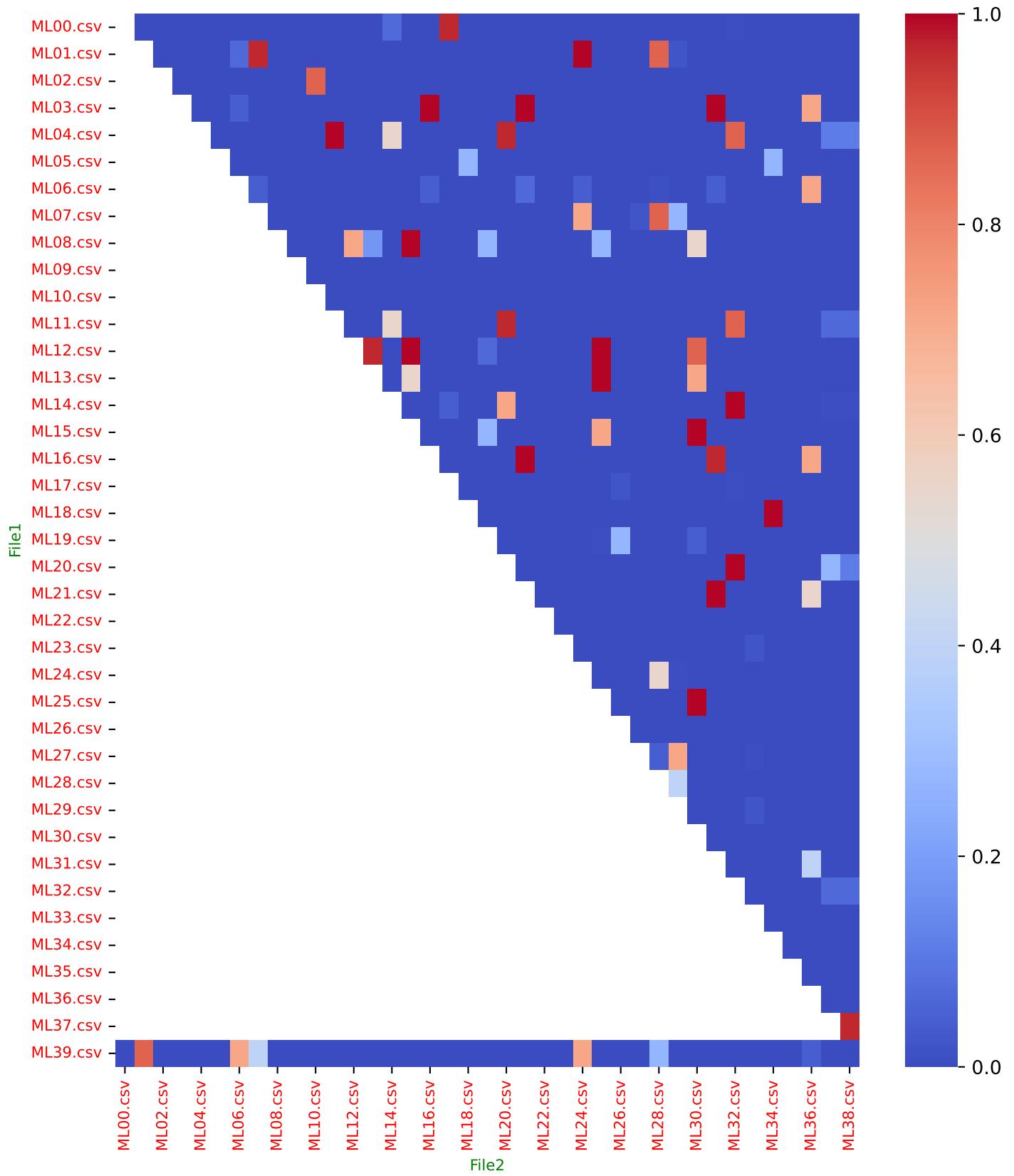


Implementation Number 148

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

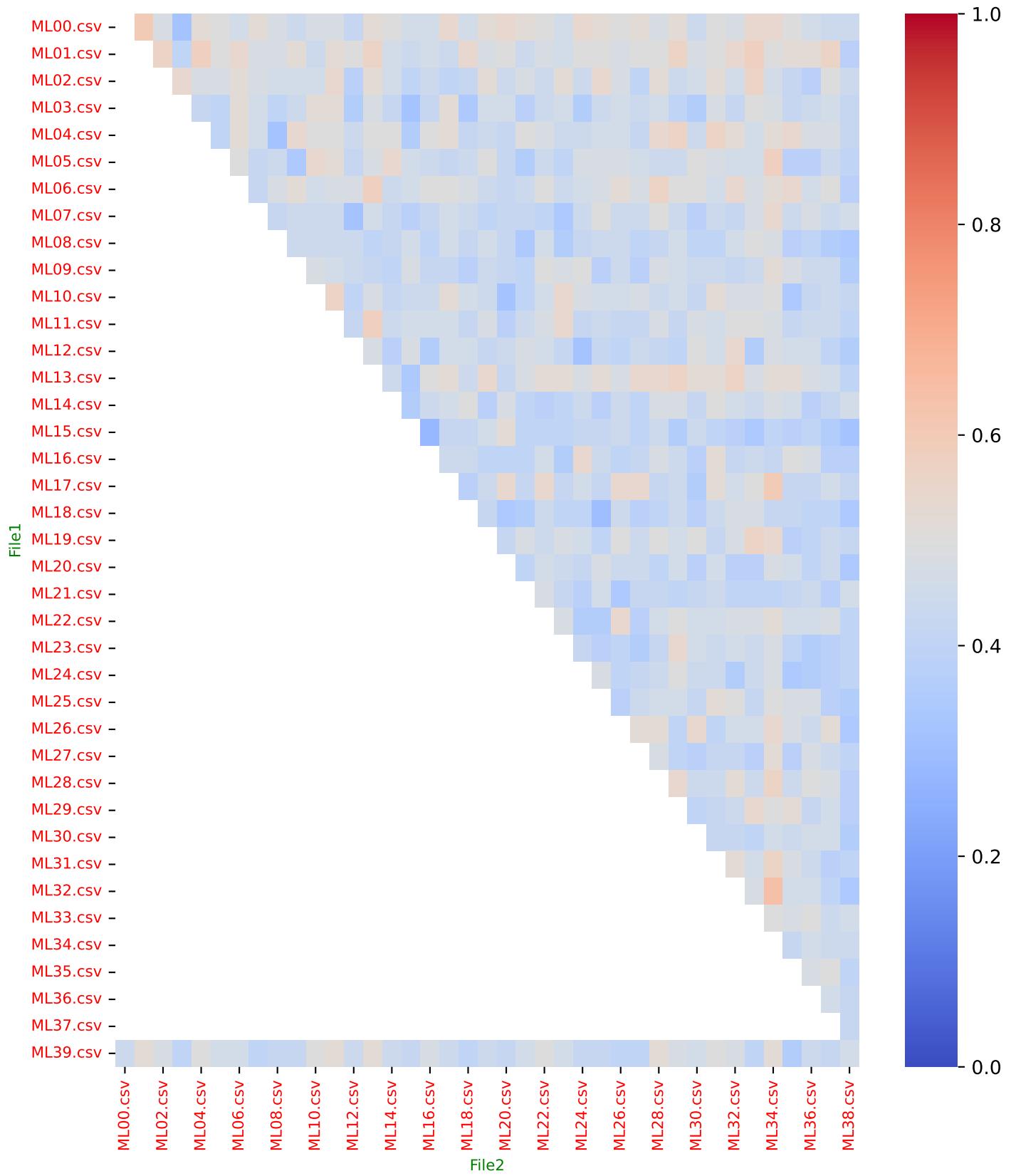


Implementation Number 148

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

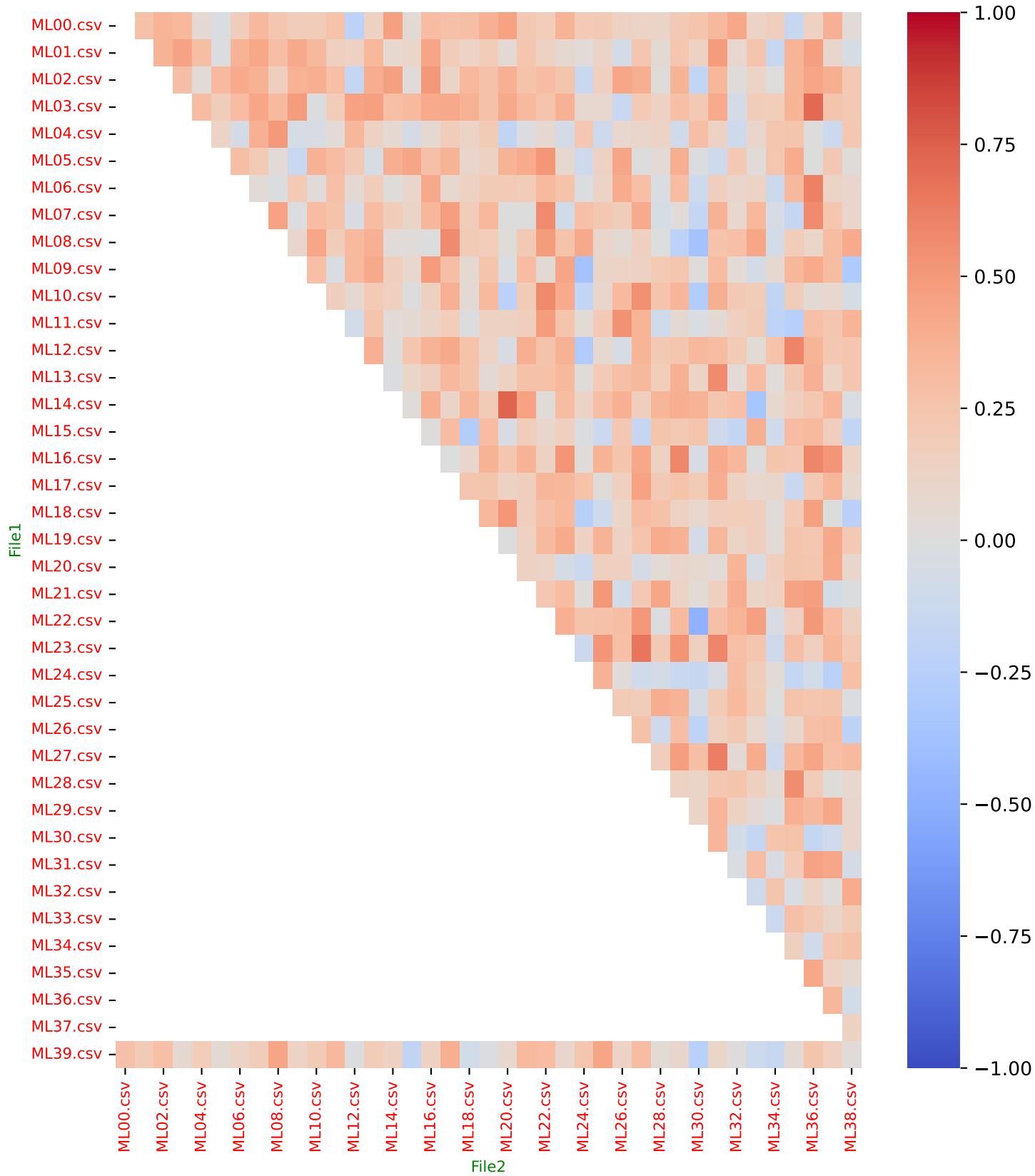


Implementation Number 148

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 149

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 100
Number of Files: 40

Implementation Number 149

Parameters: Top_N = 100

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 149

Parameters: Top_N = 100

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 149

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
085.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 10, 11, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37, 38
075.00 %	BAKON_571	00, 01, 02, 03, 05, 06, 07, 08, 09, 11, 12, 13, 14, 16, 17, 18, 21, 22, 24, 25, 26, 28, 29, 30, 31, 32, 35, 36, 37, 39
092.50 %	BAKON_126	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38, 39
092.50 %	BAKON_276	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39
095.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
072.50 %	BAKON_125	00, 04, 06, 07, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37, 39
085.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 29, 31, 32, 33, 34, 35, 36, 37, 38, 39
082.50 %	BAKON_273	00, 01, 02, 04, 06, 08, 09, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39
085.00 %	BAKON_133	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29, 30, 32, 33, 34, 35, 36, 38, 39
090.00 %	BAKON_470	00, 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39
060.00 %	BAKON_059	00, 02, 05, 07, 08, 10, 12, 13, 14, 15, 16, 19, 22, 24, 25, 26, 27, 28, 29, 32, 33, 36, 37, 39
095.00 %	BAKON_085	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36, 37, 38, 39
080.00 %	BAKON_190	00, 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 19, 20, 22, 24, 25, 26, 27, 29, 30, 31, 33, 34, 35, 36, 37, 38
080.00 %	BAKON_199	00, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 35, 36, 38

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Global node Presence Mean (Weighted): 58.30%

Implementation Number 149

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.3333	0.5000	0.0000	0.2200
ML39.csv	ML01.csv	0.3986	0.5700	0.0156	0.1981
ML39.csv	ML02.csv	0.3793	0.5500	0.0000	0.1910
ML39.csv	ML03.csv	0.3514	0.5200	0.0099	0.3212
ML39.csv	ML04.csv	0.3986	0.5700	0.0000	0.1121
ML39.csv	ML05.csv	0.3699	0.5400	0.0000	0.1555
ML39.csv	ML06.csv	0.3793	0.5500	0.9084	0.2724
ML39.csv	ML07.csv	0.3793	0.5500	0.0241	0.1476
ML39.csv	ML08.csv	0.3423	0.5100	0.0000	0.2119
ML39.csv	ML09.csv	0.4286	0.6000	0.0000	0.1333
ML39.csv	ML10.csv	0.3333	0.5000	0.0000	0.3441
ML39.csv	ML11.csv	0.4184	0.5900	0.0000	0.3669
ML39.csv	ML12.csv	0.3514	0.5200	0.0000	0.2265
ML39.csv	ML13.csv	0.3986	0.5700	0.0000	0.4746
ML39.csv	ML14.csv	0.3793	0.5500	0.0000	0.4274
ML39.csv	ML15.csv	0.3986	0.5700	0.0000	0.1435
ML39.csv	ML16.csv	0.3793	0.5500	0.0022	0.2956
ML39.csv	ML17.csv	0.3072	0.4700	0.0000	0.3544
ML39.csv	ML18.csv	0.3423	0.5100	0.0000	0.2384
ML39.csv	ML19.csv	0.3514	0.5200	0.0000	0.2037
ML39.csv	ML20.csv	0.3793	0.5500	0.0000	0.1700
ML39.csv	ML21.csv	0.3889	0.5600	0.0364	0.1015
ML39.csv	ML22.csv	0.3605	0.5300	0.0000	0.4428
ML39.csv	ML23.csv	0.3514	0.5200	0.0000	0.3171
ML39.csv	ML24.csv	0.3889	0.5600	0.2819	0.1644
ML39.csv	ML25.csv	0.2987	0.4600	0.0000	0.1368
ML39.csv	ML26.csv	0.3514	0.5200	0.0000	0.3007
ML39.csv	ML27.csv	0.4085	0.5800	0.0000	0.2755
ML39.csv	ML28.csv	0.4388	0.6100	0.0156	0.2467
ML39.csv	ML29.csv	0.3793	0.5500	0.0000	0.1982
ML39.csv	ML30.csv	0.4388	0.6100	0.0000	0.1215
ML39.csv	ML31.csv	0.3333	0.5000	0.0007	0.2915
ML39.csv	ML32.csv	0.3793	0.5500	0.0000	0.1868
ML39.csv	ML33.csv	0.3245	0.4900	0.0000	0.2172
ML39.csv	ML34.csv	0.4085	0.5800	0.0000	0.0249

Implementation Number 149

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.4085	0.5800	0.0000	0.0996
ML39.csv	ML36.csv	0.3423	0.5100	0.0539	0.3485
ML39.csv	ML37.csv	0.3245	0.4900	0.0000	0.2516
ML39.csv	ML38.csv	0.4085	0.5800	0.0000	0.2681
ML00.csv	ML01.csv	0.4286	0.6000	0.0000	0.4285
ML00.csv	ML02.csv	0.3986	0.5700	0.0000	0.3347
ML00.csv	ML03.csv	0.3333	0.5000	0.0000	0.2309
ML00.csv	ML04.csv	0.4085	0.5800	0.0013	0.1827
ML00.csv	ML05.csv	0.3793	0.5500	0.0000	0.2625
ML00.csv	ML06.csv	0.3986	0.5700	0.0000	0.2750
ML00.csv	ML07.csv	0.4388	0.6100	0.0000	0.3937
ML00.csv	ML08.csv	0.4184	0.5900	0.0000	0.2667
ML00.csv	ML09.csv	0.3889	0.5600	0.0000	0.2676
ML00.csv	ML10.csv	0.3889	0.5600	0.0000	0.3618
ML00.csv	ML11.csv	0.3699	0.5400	0.0007	0.2924

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Global Metrics:

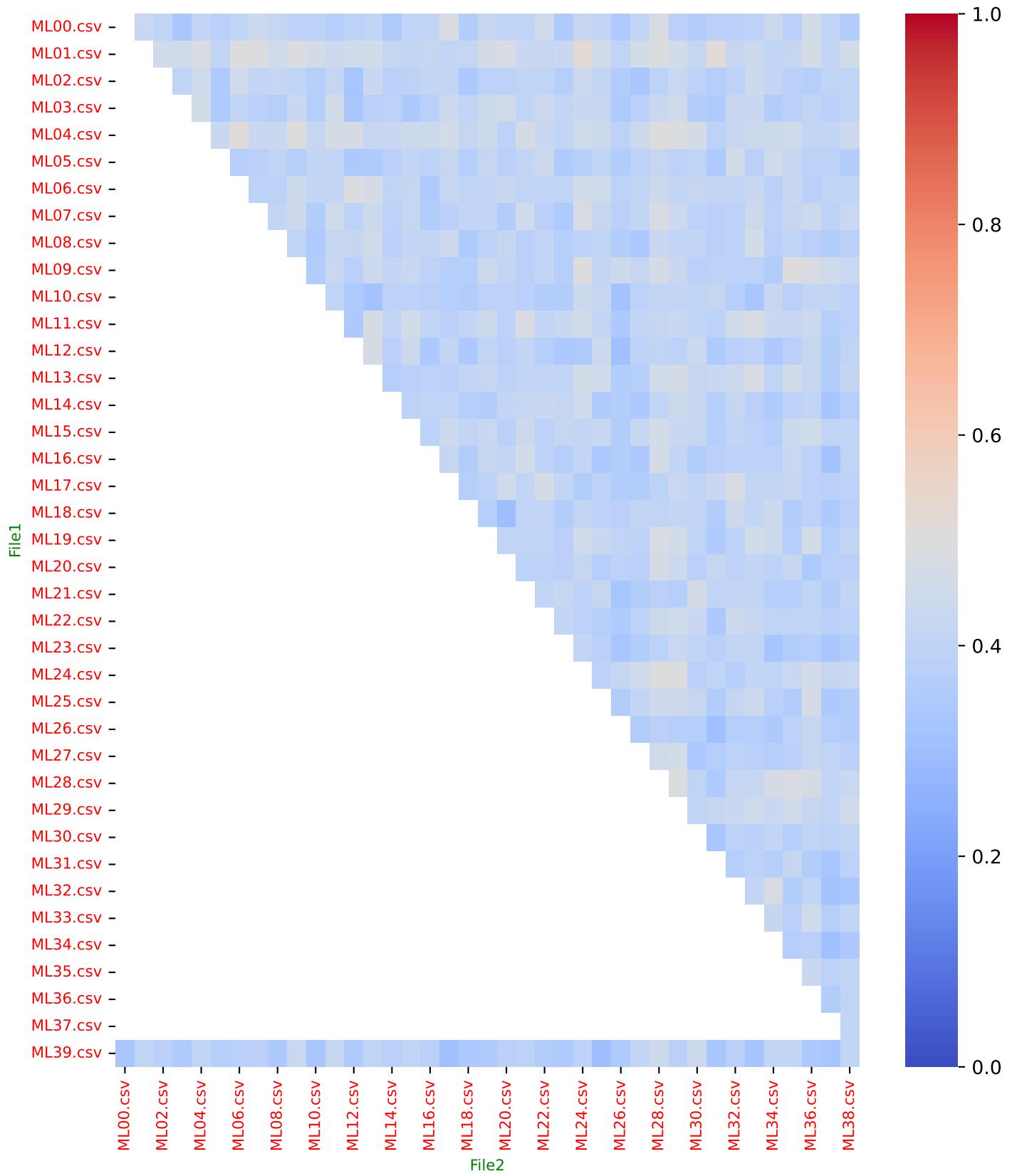
Mean Jaccard Coefficient (J): 0.4019
Fleiss' Kappa Agreement Index (κF): 0.3585
Mean KS Distance Between Pairs (D): 0.7437
Mean p-value for KS Test Pairs: 0.0495
Mean KS Distance for Multiple Samples (D_{mult}): 0.5377
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000
Mean Kendall Tau ($\bar{\tau}$): 0.2519
Median Kendall Tau ($\tilde{\tau}$): 0.2567
Percentage of Pairs with $\tau > 0$: 99.23%

Implementation Number 149

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

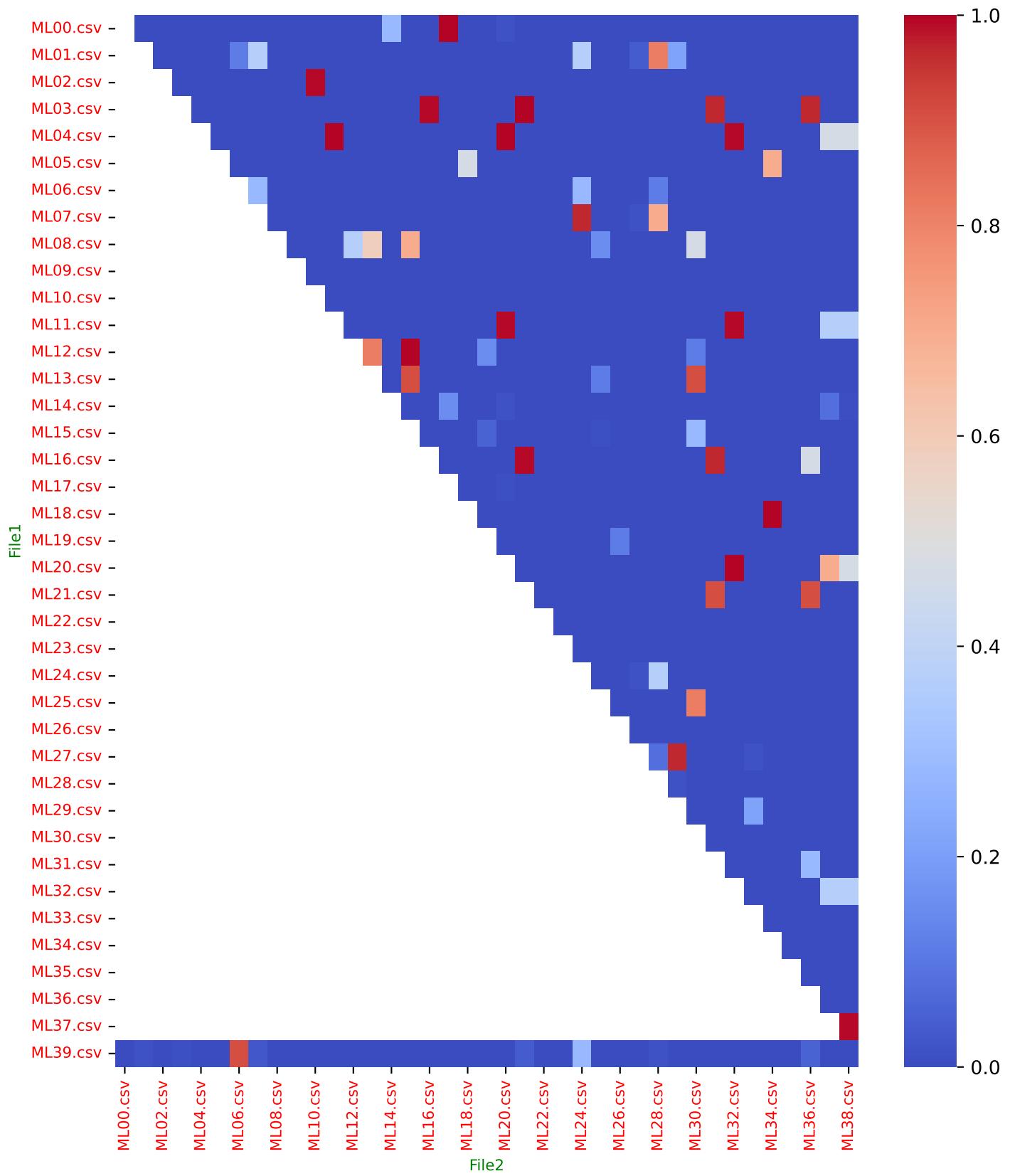


Implementation Number 149

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

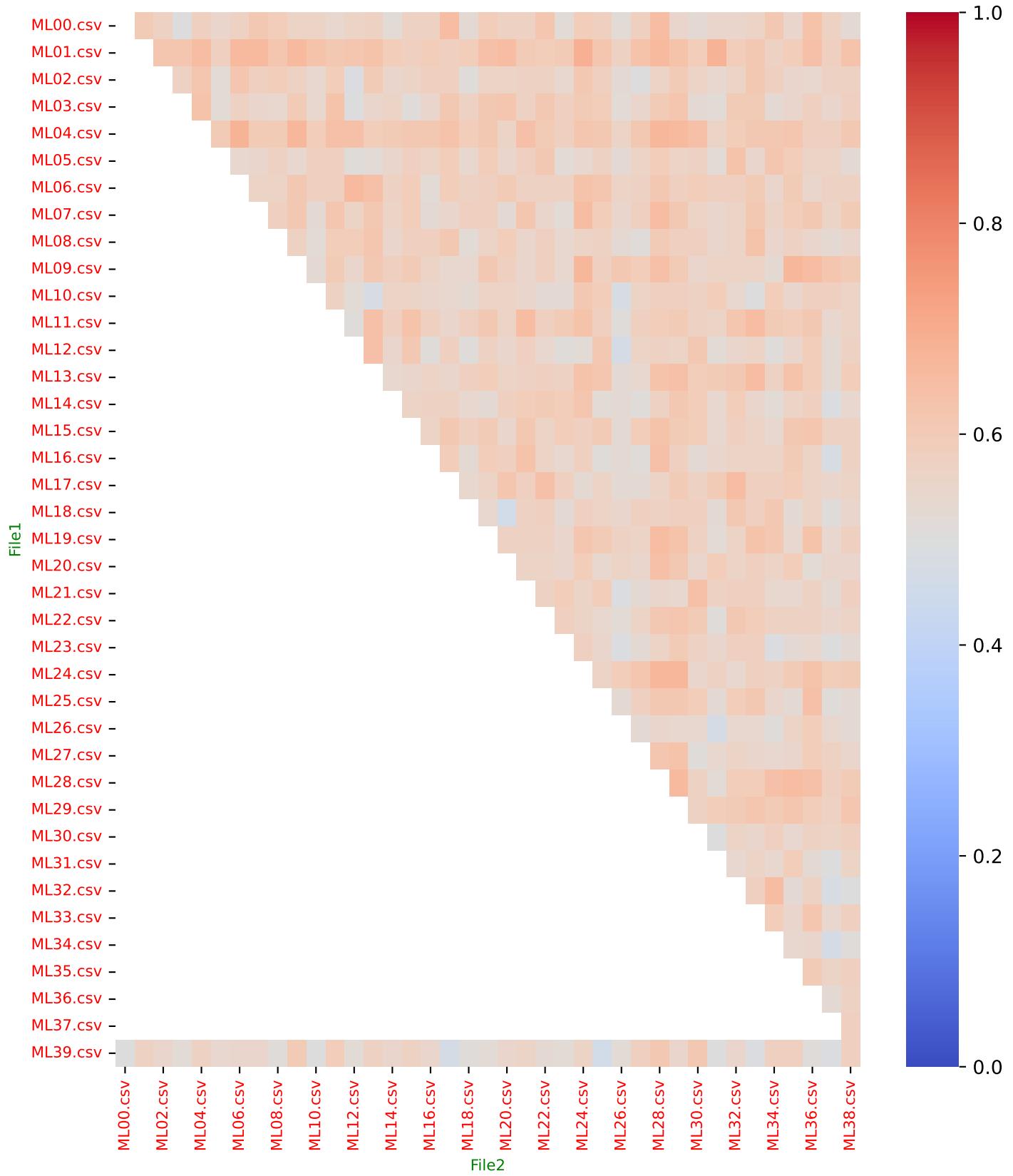


Implementation Number 149

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

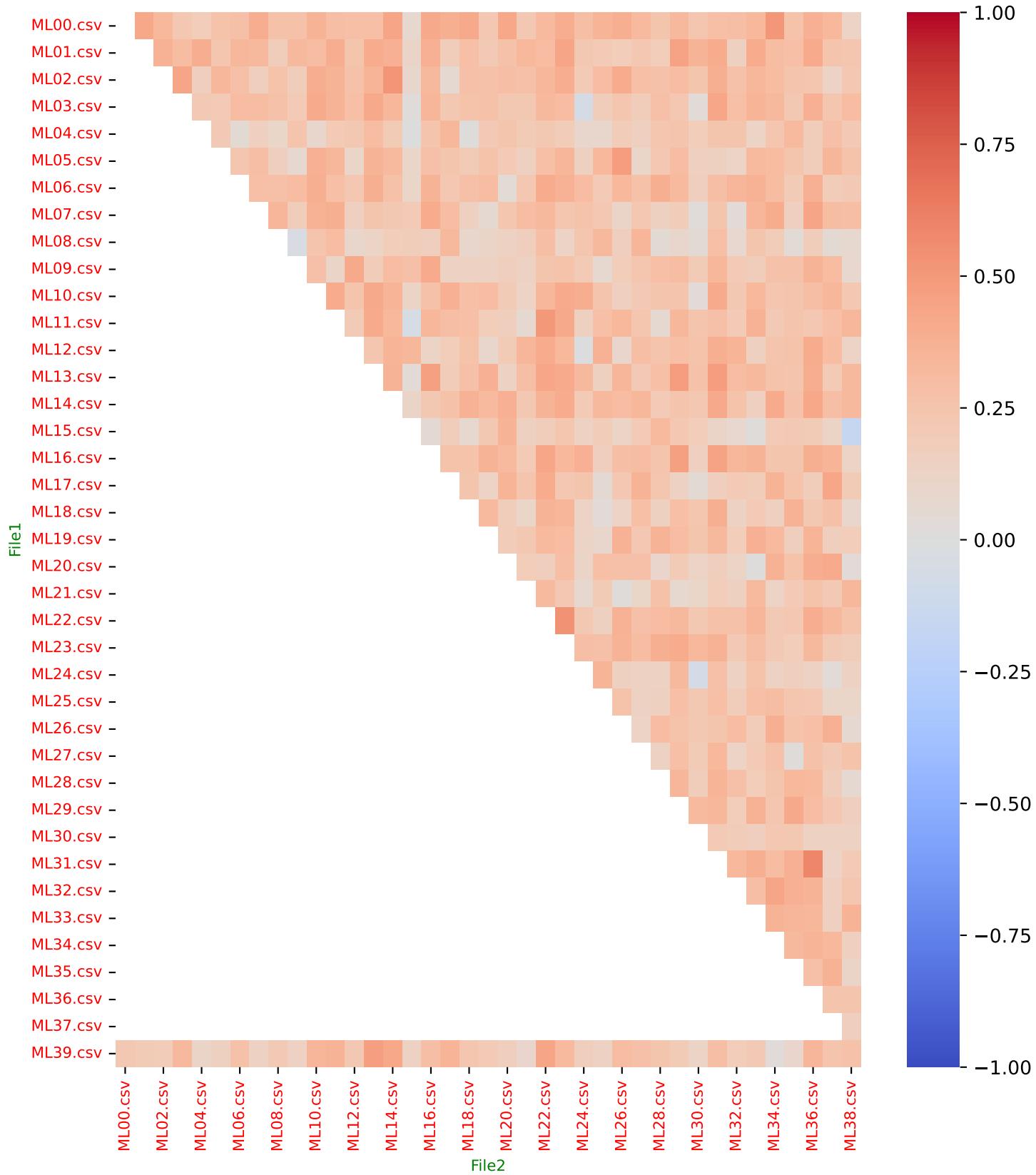


Implementation Number 149

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 150

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 200
Number of Files: 40

Implementation Number 150

Parameters: Top_N = 200

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 150

Parameters: Top_N = 200

Number of files = 40

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 150

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
092.50 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37, 38
097.50 %	BAKON_571	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
095.00 %	BAKON_126	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
097.50 %	BAKON_276	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
100.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
097.50 %	BAKON_125	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
090.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
095.00 %	BAKON_273	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
090.00 %	BAKON_133	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39
095.00 %	BAKON_470	00, 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39

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Global node Presence Mean (Weighted): 73.26%

Implementation Number 150

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.5686	0.7250	0.0000	0.2366
ML39.csv	ML01.csv	0.6194	0.7650	0.0521	0.3497
ML39.csv	ML02.csv	0.5810	0.7350	0.0000	0.3489
ML39.csv	ML03.csv	0.5748	0.7300	0.0118	0.2527
ML39.csv	ML04.csv	0.5625	0.7200	0.0000	0.3314
ML39.csv	ML05.csv	0.5810	0.7350	0.0000	0.3159
ML39.csv	ML06.csv	0.5873	0.7400	0.4663	0.2839
ML39.csv	ML07.csv	0.5936	0.7450	0.2205	0.3459
ML39.csv	ML08.csv	0.5326	0.6950	0.0000	0.3249
ML39.csv	ML09.csv	0.6194	0.7650	0.0000	0.3502
ML39.csv	ML10.csv	0.5564	0.7150	0.0000	0.2720
ML39.csv	ML11.csv	0.6194	0.7650	0.0000	0.3563
ML39.csv	ML12.csv	0.5385	0.7000	0.0000	0.3257
ML39.csv	ML13.csv	0.5873	0.7400	0.0000	0.3821
ML39.csv	ML14.csv	0.6000	0.7500	0.0000	0.2974
ML39.csv	ML15.csv	0.5936	0.7450	0.0000	0.2865
ML39.csv	ML16.csv	0.5748	0.7300	0.0006	0.3576
ML39.csv	ML17.csv	0.5810	0.7350	0.0000	0.2078
ML39.csv	ML18.csv	0.5152	0.6800	0.0000	0.2860
ML39.csv	ML19.csv	0.5385	0.7000	0.0000	0.3147
ML39.csv	ML20.csv	0.5936	0.7450	0.0000	0.2337
ML39.csv	ML21.csv	0.6064	0.7550	0.0221	0.3258
ML39.csv	ML22.csv	0.5625	0.7200	0.0000	0.3145
ML39.csv	ML23.csv	0.5873	0.7400	0.0000	0.3260
ML39.csv	ML24.csv	0.5564	0.7150	0.7126	0.2825
ML39.csv	ML25.csv	0.5625	0.7200	0.0000	0.2750
ML39.csv	ML26.csv	0.5625	0.7200	0.0000	0.2144
ML39.csv	ML27.csv	0.6000	0.7500	0.0021	0.3585
ML39.csv	ML28.csv	0.5873	0.7400	0.1779	0.3877
ML39.csv	ML29.csv	0.6064	0.7550	0.0006	0.3287
ML39.csv	ML30.csv	0.5748	0.7300	0.0000	0.3613
ML39.csv	ML31.csv	0.6064	0.7550	0.0000	0.3353
ML39.csv	ML32.csv	0.5504	0.7100	0.0000	0.3141
ML39.csv	ML33.csv	0.5873	0.7400	0.0000	0.3159
ML39.csv	ML34.csv	0.5385	0.7000	0.0000	0.3520

Implementation Number 150

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.6194	0.7650	0.0000	0.3262
ML39.csv	ML36.csv	0.5686	0.7250	0.0030	0.3375
ML39.csv	ML37.csv	0.5444	0.7050	0.0000	0.1913
ML39.csv	ML38.csv	0.6194	0.7650	0.0000	0.3734
ML00.csv	ML01.csv	0.6194	0.7650	0.0000	0.4080
ML00.csv	ML02.csv	0.5686	0.7250	0.0000	0.3345
ML00.csv	ML03.csv	0.5748	0.7300	0.0000	0.2484
ML00.csv	ML04.csv	0.5564	0.7150	0.0030	0.3649
ML00.csv	ML05.csv	0.5564	0.7150	0.0000	0.3258
ML00.csv	ML06.csv	0.5936	0.7450	0.0000	0.3323
ML00.csv	ML07.csv	0.5504	0.7100	0.0000	0.3641
ML00.csv	ML08.csv	0.5564	0.7150	0.0000	0.3833
ML00.csv	ML09.csv	0.5810	0.7350	0.0000	0.3058
ML00.csv	ML10.csv	0.5810	0.7350	0.0000	0.3964
ML00.csv	ML11.csv	0.5326	0.6950	0.0163	0.2465

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Global Metrics:

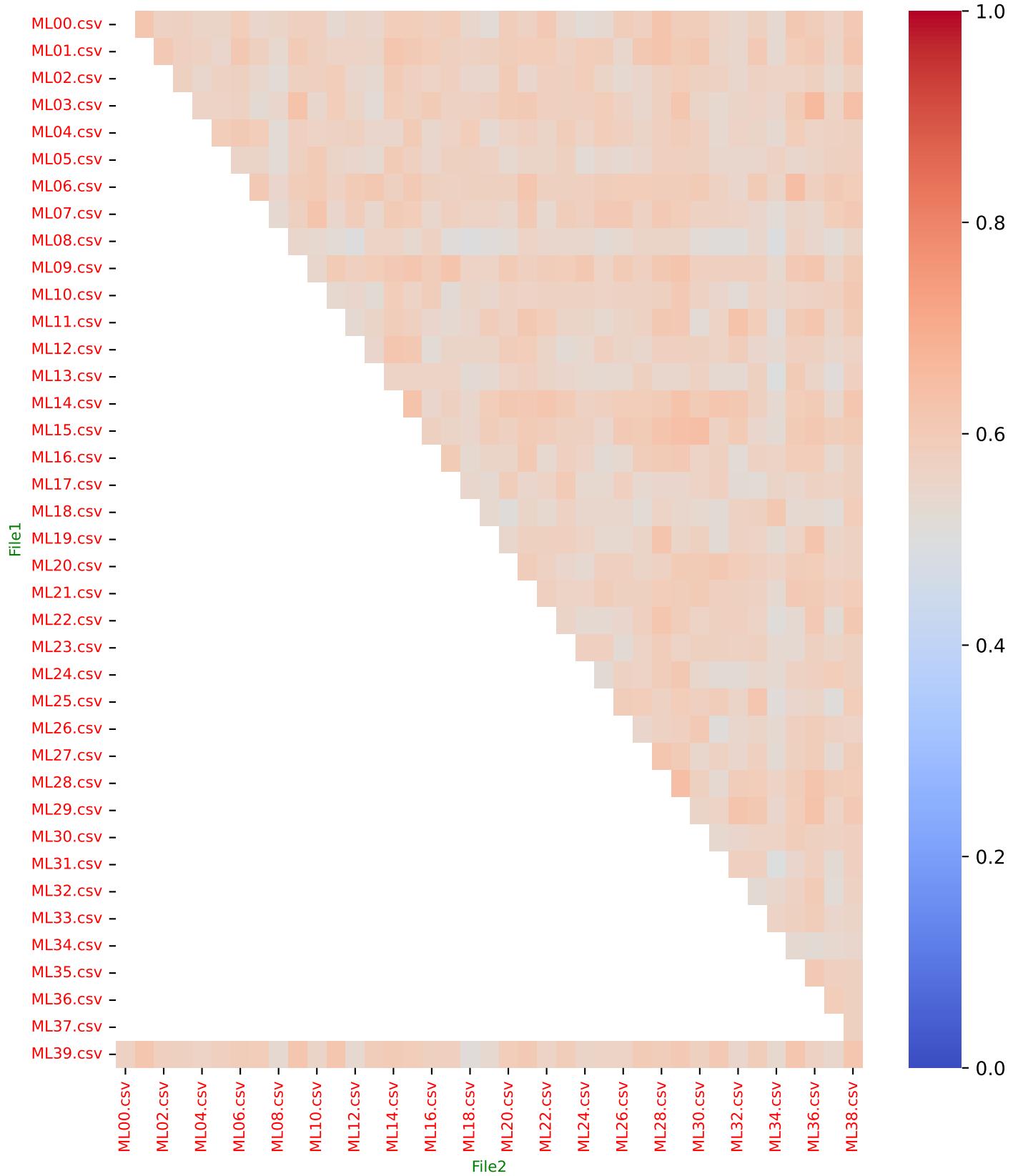
Mean Jaccard Coefficient (J): 0.5701
Fleiss' Kappa Agreement Index (κF): 0.4430
Mean KS Distance Between Pairs (D): 0.6293
Mean p-value for KS Test Pairs: 0.0528
Mean KS Distance for Multiple Samples (D_{mult}): 0.4591
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000
Mean Kendall Tau ($\bar{\tau}$): 0.3734
Median Kendall Tau ($\tilde{\tau}$): 0.3734
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 150

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

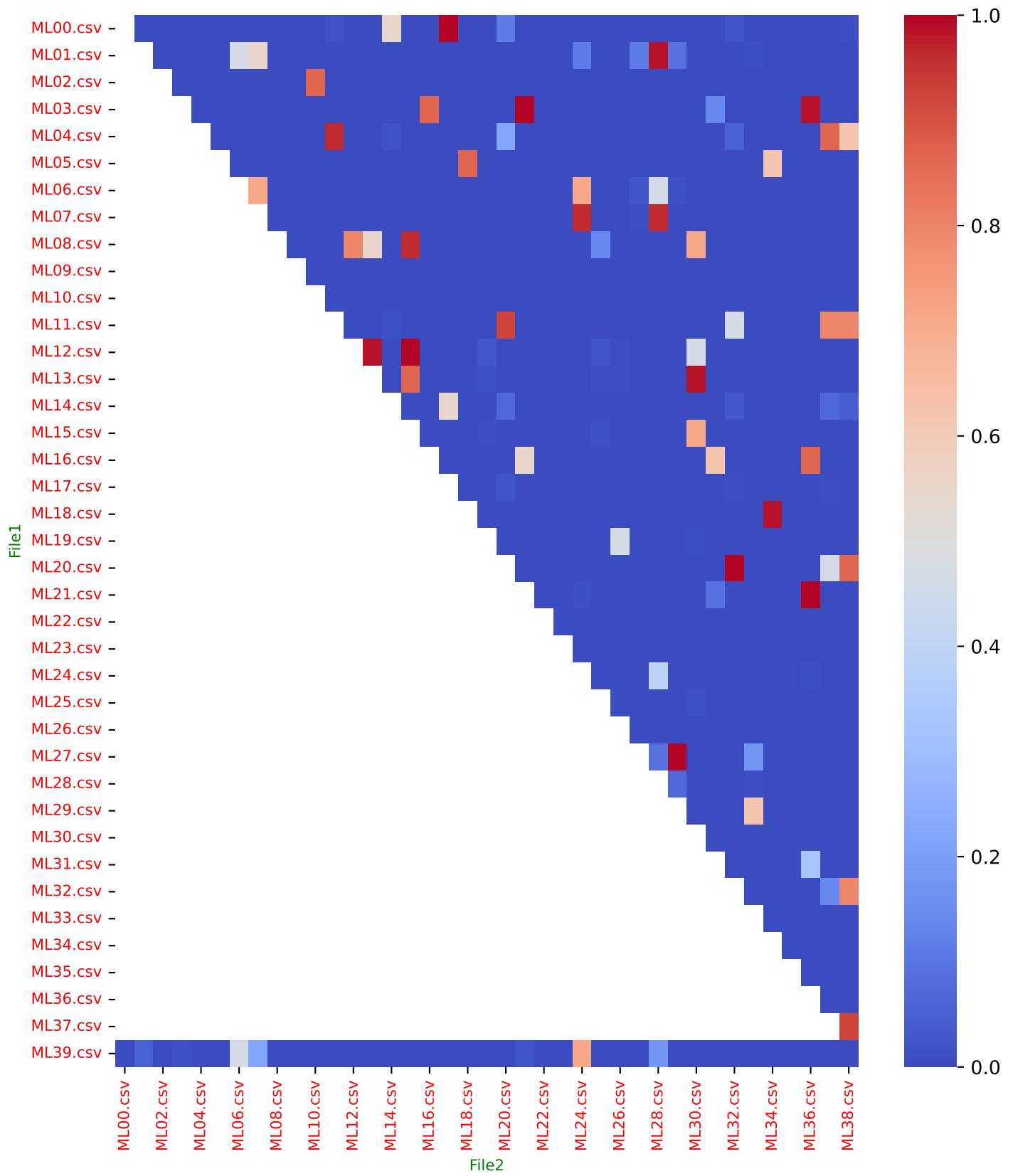


Implementation Number 150

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

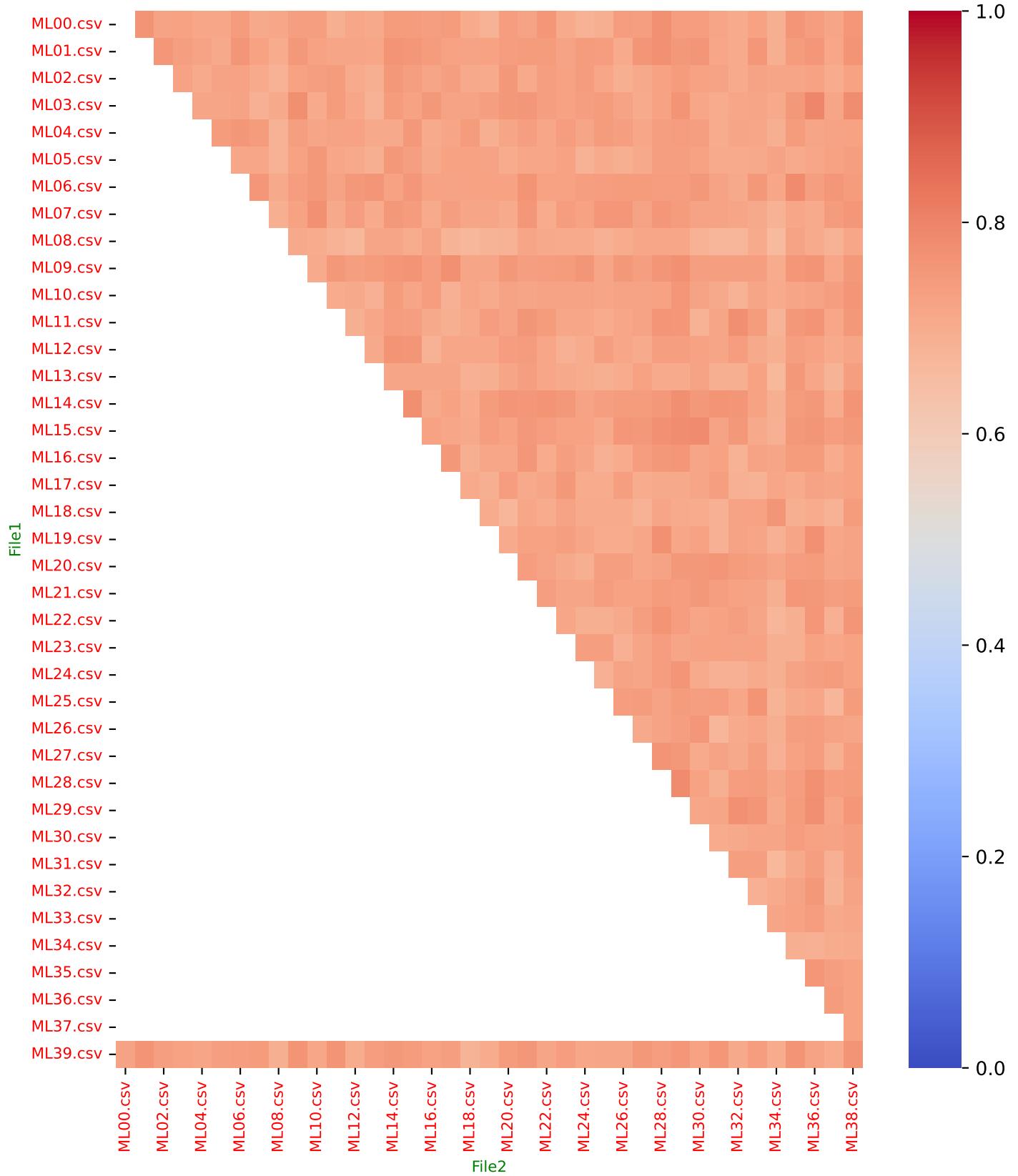


Implementation Number 150

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

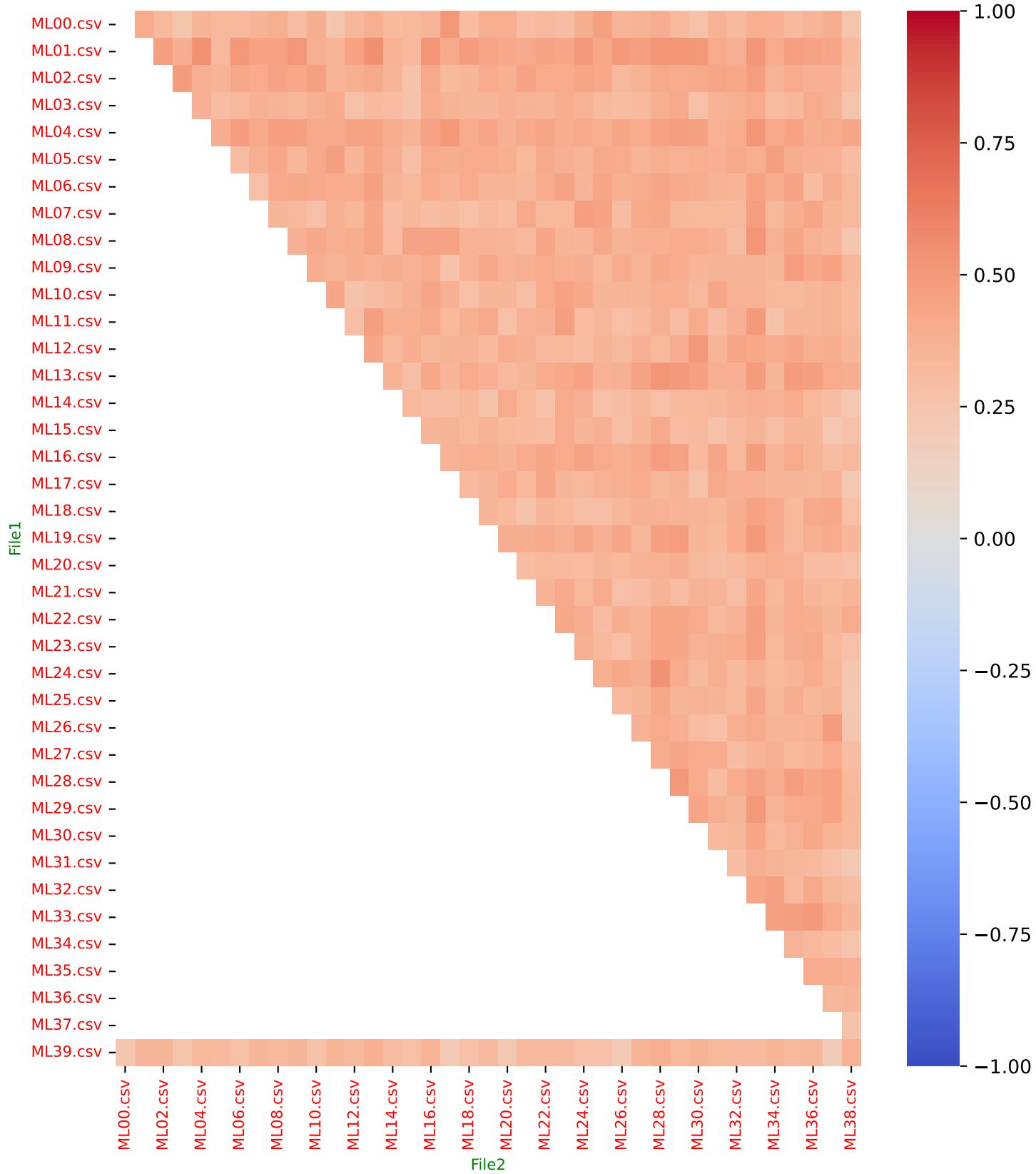


Implementation Number 150

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 151

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 10
Number of Files: 40**

Implementation Number 151

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 151

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 151

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
050.00 %	BAKON_211	00, 01, 03, 05, 06, 07, 08, 10, 11, 12, 15, 19, 23, 24, 26, 29, 32, 33, 35, 36
070.00 %	BAKON_422	00, 01, 03, 05, 09, 10, 11, 12, 13, 14, 16, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 31, 33, 34, 35, 37, 38
092.50 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39
012.50 %	BAKON_604	00, 04, 08, 28, 32
010.00 %	BAKON_239	00, 07, 32, 36
072.50 %	BAKON_478	00, 01, 02, 03, 04, 07, 09, 10, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 28, 29, 30, 31, 32, 33, 35, 37, 38, 39
005.00 %	BAKON_450	00, 33
017.50 %	BAKON_571	00, 07, 13, 25, 30, 34, 37
022.50 %	BAKON_098	00, 02, 07, 12, 13, 14, 28, 32, 34
030.00 %	BAKON_572	00, 02, 03, 07, 11, 13, 20, 23, 29, 30, 34, 36
055.00 %	BAKON_212	01, 04, 05, 08, 09, 13, 18, 19, 20, 21, 22, 23, 27, 28, 32, 33, 34, 35, 36, 37, 38, 39
067.50 %	BAKON_437	01, 02, 04, 05, 07, 08, 09, 10, 12, 13, 14, 15, 17, 18, 21, 22, 26, 27, 28, 29, 30, 31, 33, 35, 36, 37, 38
020.00 %	BAKON_289	01, 10, 17, 25, 30, 31, 35, 37
020.00 %	BAKON_443	01, 03, 04, 08, 09, 10, 14, 33
010.00 %	BAKON_283	01, 29, 38, 39
027.50 %	BAKON_361	01, 07, 13, 14, 18, 19, 23, 27, 32, 33, 35
035.00 %	BAKON_209	02, 08, 11, 14, 15, 16, 17, 24, 29, 30, 31, 32, 34, 39
022.50 %	BAKON_234	02, 05, 14, 15, 23, 28, 32, 35, 37
002.50 %	BAKON_160	02
015.00 %	BAKON_338	02, 03, 06, 18, 20, 21
007.50 %	BAKON_104	02, 06, 18
017.50 %	BAKON_292	03, 04, 12, 19, 22, 26, 34
005.00 %	BAKON_353	03, 06

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Global node Presence Mean (Weighted): 40.29%

Implementation Number 151

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.2500	0.4000	0.9945	-0.3333
ML39.csv	ML01.csv	0.2500	0.4000	0.7869	0.3333
ML39.csv	ML02.csv	0.3333	0.5000	0.7869	0.4000
ML39.csv	ML03.csv	0.1765	0.3000	0.4175	1.0000
ML39.csv	ML04.csv	0.1765	0.3000	0.7869	0.3333
ML39.csv	ML05.csv	0.1111	0.2000	0.7869	1.0000
ML39.csv	ML06.csv	0.5385	0.7000	0.4175	0.2381
ML39.csv	ML07.csv	0.1111	0.2000	0.4175	1.0000
ML39.csv	ML08.csv	0.1765	0.3000	0.7869	-0.3333
ML39.csv	ML09.csv	0.2500	0.4000	0.7869	0.3333
ML39.csv	ML10.csv	0.2500	0.4000	0.4175	1.0000
ML39.csv	ML11.csv	0.2500	0.4000	0.7869	0.6667
ML39.csv	ML12.csv	0.3333	0.5000	0.9945	0.4000
ML39.csv	ML13.csv	0.2500	0.4000	0.9945	-0.3333
ML39.csv	ML14.csv	0.1765	0.3000	0.9945	1.0000
ML39.csv	ML15.csv	0.1765	0.3000	0.7869	1.0000
ML39.csv	ML16.csv	0.1111	0.2000	0.7869	-1.0000
ML39.csv	ML17.csv	0.1765	0.3000	0.4175	0.3333
ML39.csv	ML18.csv	0.2500	0.4000	0.9945	-0.3333
ML39.csv	ML19.csv	0.1765	0.3000	0.4175	0.3333
ML39.csv	ML20.csv	0.1765	0.3000	0.7869	-1.0000
ML39.csv	ML21.csv	0.1111	0.2000	0.7869	1.0000
ML39.csv	ML22.csv	0.3333	0.5000	0.4175	0.4000
ML39.csv	ML23.csv	0.2500	0.4000	0.9945	0.6667
ML39.csv	ML24.csv	0.1765	0.3000	0.4175	0.3333
ML39.csv	ML25.csv	0.1765	0.3000	0.4175	1.0000
ML39.csv	ML26.csv	0.1765	0.3000	0.7869	-1.0000
ML39.csv	ML27.csv	0.3333	0.5000	0.9945	0.0000
ML39.csv	ML28.csv	0.3333	0.5000	0.9945	0.0000
ML39.csv	ML29.csv	0.2500	0.4000	0.1678	0.3333
ML39.csv	ML30.csv	0.1111	0.2000	0.4175	1.0000
ML39.csv	ML31.csv	0.3333	0.5000	0.4175	0.4000
ML39.csv	ML32.csv	0.3333	0.5000	0.9945	-0.2000
ML39.csv	ML33.csv	0.3333	0.5000	0.7869	0.2000
ML39.csv	ML34.csv	0.2500	0.4000	0.1678	-0.6667

Implementation Number 151

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.2500	0.4000	0.7869	0.3333
ML39.csv	ML36.csv	0.2500	0.4000	0.9945	1.0000
ML39.csv	ML37.csv	0.1765	0.3000	0.4175	-0.3333
ML39.csv	ML38.csv	0.1111	0.2000	0.9945	1.0000
ML00.csv	ML01.csv	0.1765	0.3000	0.1678	-0.3333
ML00.csv	ML02.csv	0.3333	0.5000	0.9945	0.8000
ML00.csv	ML03.csv	0.3333	0.5000	0.1678	0.2000
ML00.csv	ML04.csv	0.3333	0.5000	0.7869	0.2000
ML00.csv	ML05.csv	0.1111	0.2000	0.7869	-1.0000
ML00.csv	ML06.csv	0.3333	0.5000	0.4175	-0.4000
ML00.csv	ML07.csv	0.2500	0.4000	0.1678	0.3333
ML00.csv	ML08.csv	0.4286	0.6000	0.4175	0.7333
ML00.csv	ML09.csv	0.5385	0.7000	0.7869	0.1429
ML00.csv	ML10.csv	0.1765	0.3000	0.7869	-0.3333
ML00.csv	ML11.csv	0.2500	0.4000	0.9945	-1.0000

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2481

Fleiss' Kappa Agreement Index (κ_F): 0.2626

Mean KS Distance Between Pairs (D): 0.3279

Mean p-value for KS Test Pairs: 0.6625

Mean KS Distance for Multiple Samples (D_{mult}): 0.2436

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5637

Mean Kendall Tau ($\bar{\tau}$): 0.1876

Median Kendall Tau ($\tilde{\tau}$): 0.3333

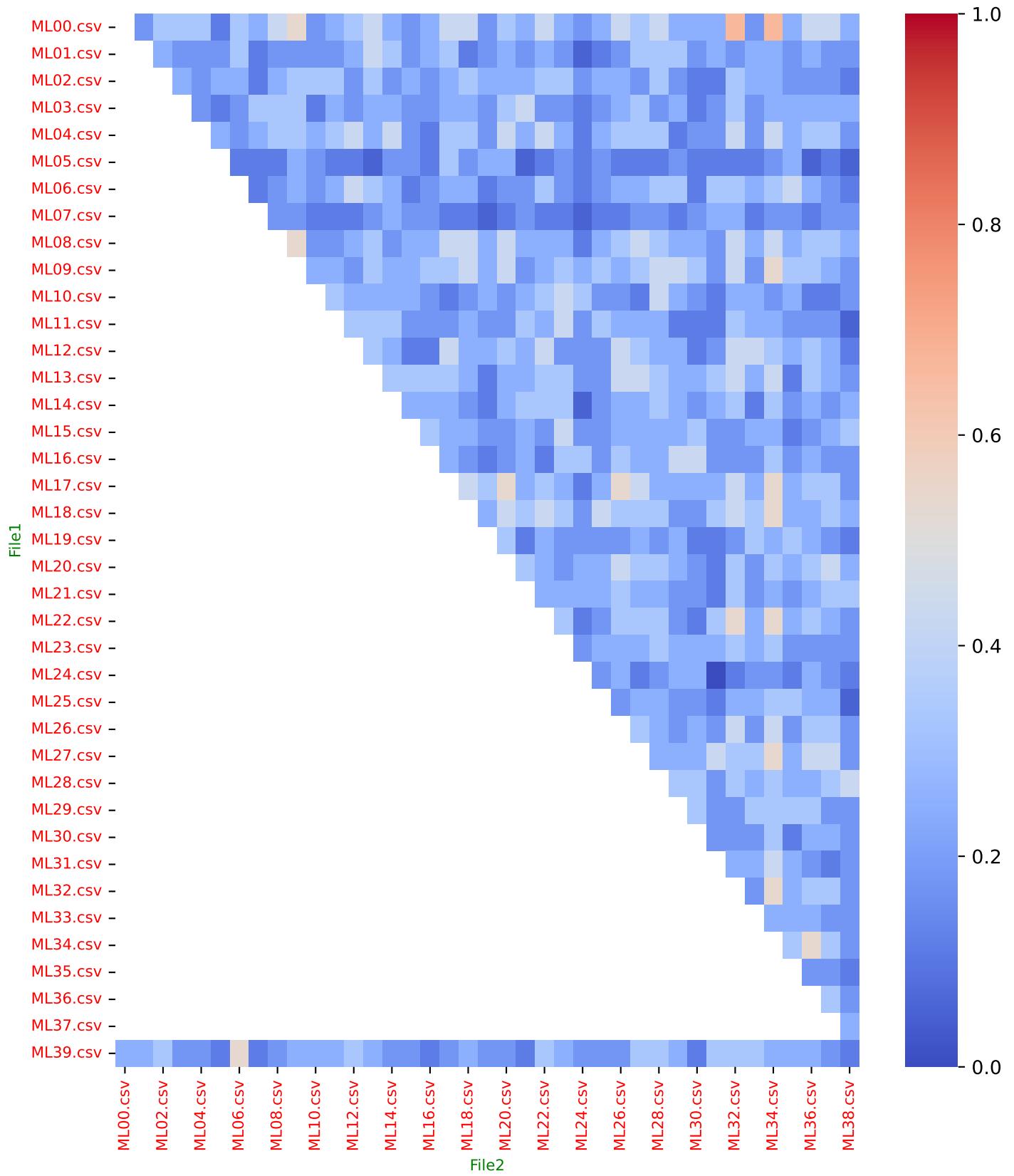
Percentage of Pairs with $\tau > 0$: 60.38%

Implementation Number 151

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

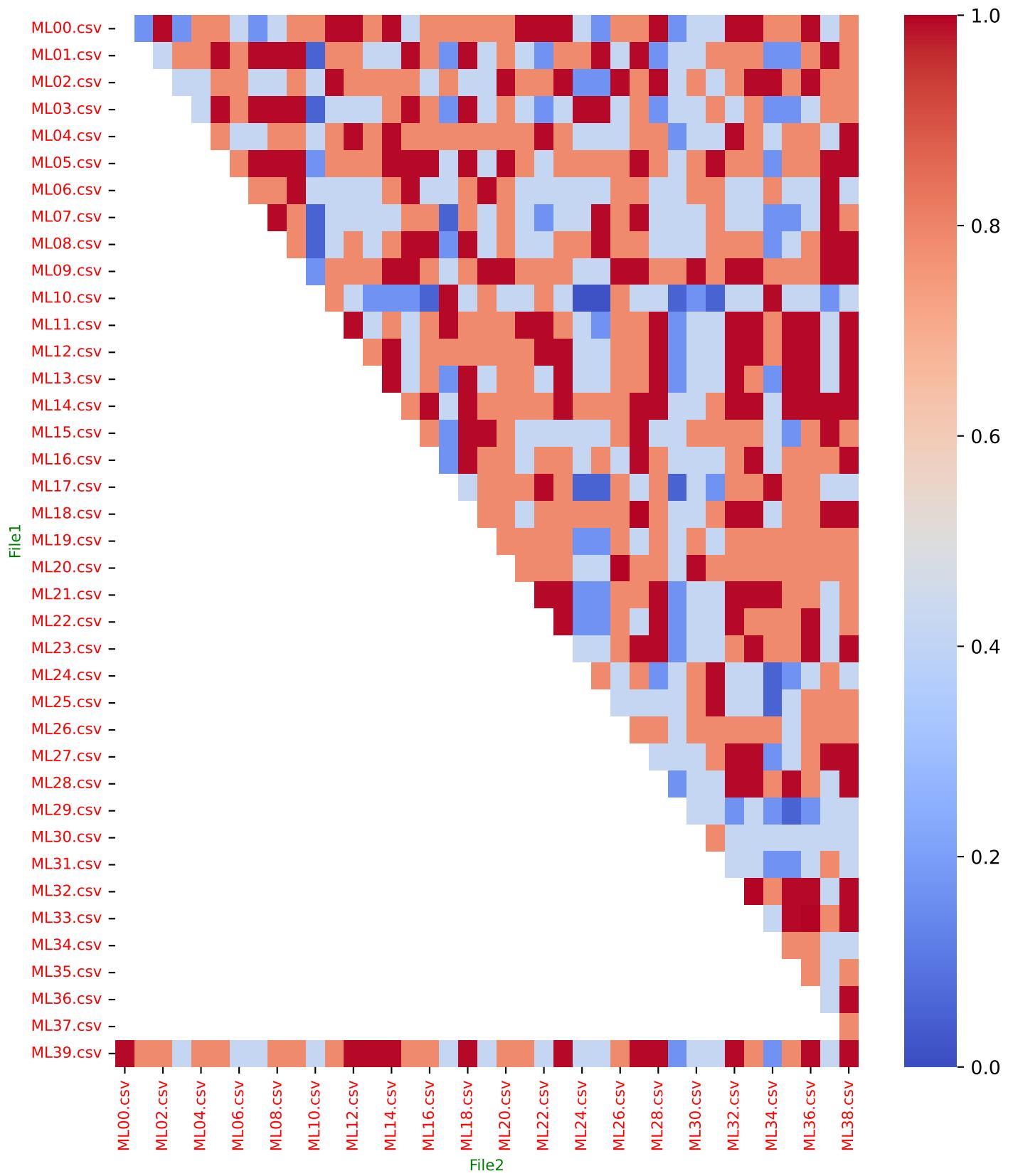


Implementation Number 151

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

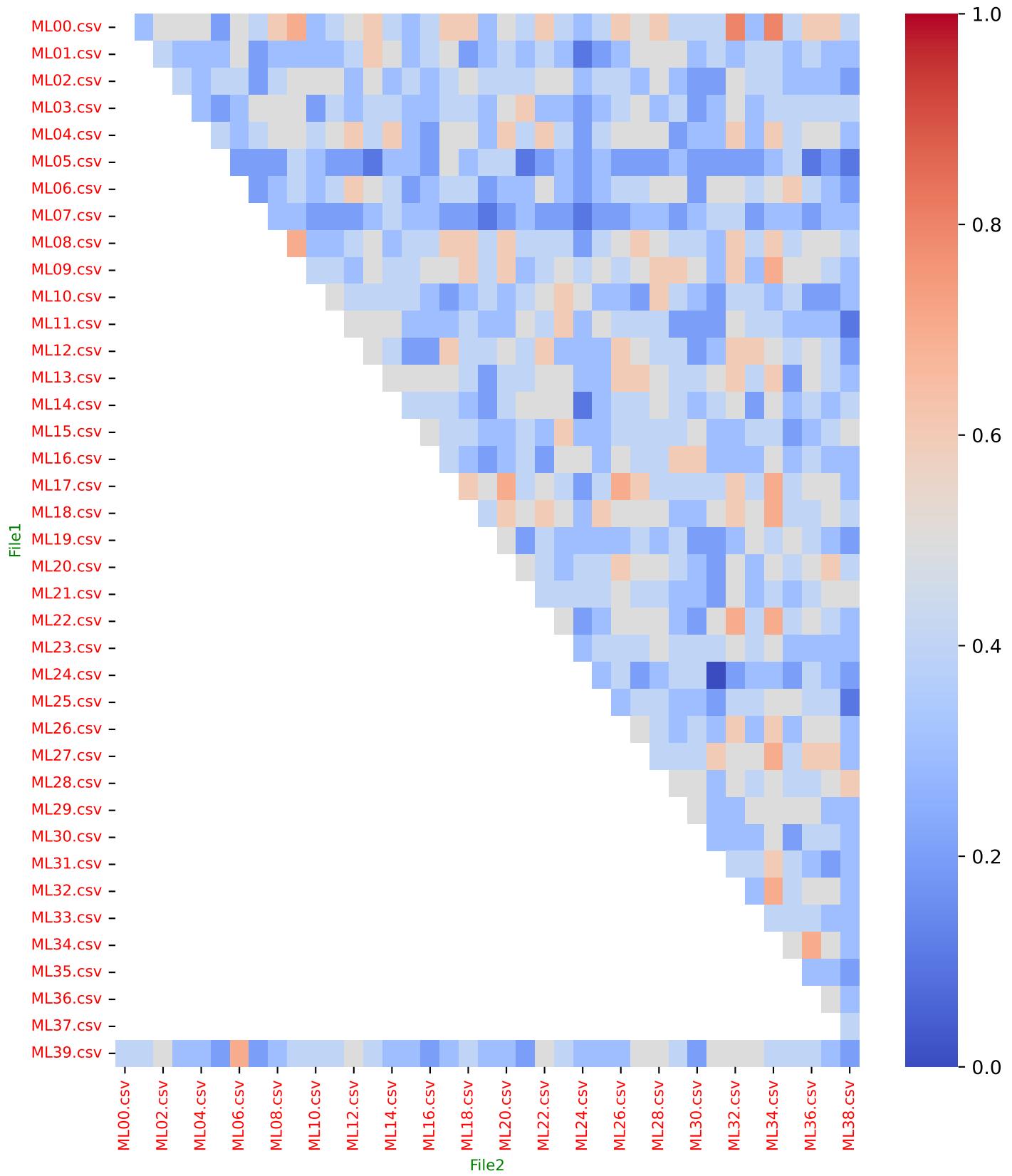


Implementation Number 151

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

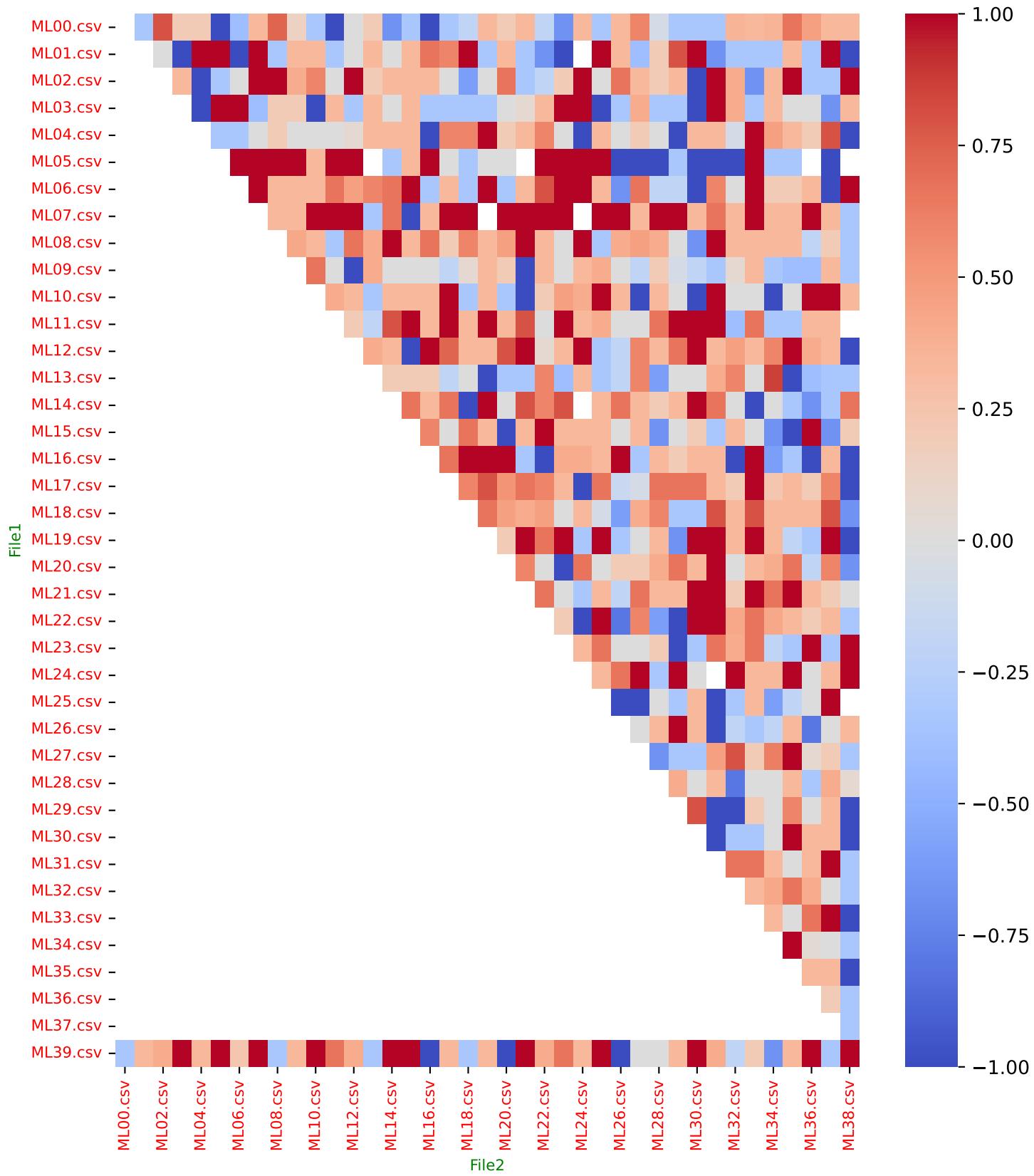


Implementation Number 151

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 152

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 20
Number of Files: 40**

Implementation Number 152

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 152

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 152

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
052.50 %	BAKON_211	00, 01, 03, 04, 05, 06, 07, 08, 10, 11, 12, 15, 19, 23, 24, 26, 29, 32, 33, 35, 36
075.00 %	BAKON_422	00, 01, 02, 03, 05, 09, 10, 11, 12, 13, 14, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 33, 34, 35, 37, 38
097.50 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39
025.00 %	BAKON_604	00, 02, 04, 08, 10, 21, 22, 23, 28, 32
017.50 %	BAKON_239	00, 03, 07, 24, 31, 32, 36
082.50 %	BAKON_478	00, 01, 02, 03, 04, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39
010.00 %	BAKON_450	00, 19, 27, 33
050.00 %	BAKON_571	00, 04, 06, 07, 08, 09, 12, 13, 18, 20, 22, 25, 26, 27, 30, 31, 34, 35, 37, 39
032.50 %	BAKON_098	00, 01, 02, 07, 08, 12, 13, 14, 20, 28, 32, 33, 34
072.50 %	BAKON_572	00, 02, 03, 04, 05, 06, 07, 09, 11, 12, 13, 15, 18, 19, 20, 22, 23, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 39
022.50 %	BAKON_343	00, 07, 10, 14, 24, 31, 32, 36, 39
095.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38
030.00 %	BAKON_425	00, 03, 05, 06, 07, 14, 16, 19, 20, 26, 31, 36
077.50 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 30, 31, 32, 33, 34, 35, 36, 37
065.00 %	BAKON_317	00, 01, 02, 03, 05, 08, 09, 11, 12, 14, 16, 17, 18, 20, 21, 22, 24, 25, 27, 28, 30, 31, 34, 36, 38, 39
040.00 %	BAKON_319	00, 02, 03, 08, 09, 14, 17, 20, 21, 25, 27, 28, 30, 31, 36, 38
027.50 %	BAKON_293	00, 05, 06, 13, 15, 18, 21, 27, 28, 33, 39
037.50 %	BAKON_570	00, 03, 06, 13, 15, 18, 23, 25, 28, 30, 33, 34, 35, 37, 38
005.00 %	BAKON_475	00, 06
057.50 %	BAKON_337	00, 01, 02, 03, 04, 06, 10, 11, 14, 17, 20, 21, 22, 23, 24, 25, 26, 29, 30, 32, 35, 36, 39
055.00 %	BAKON_212	01, 04, 05, 08, 09, 13, 18, 19, 20, 21, 22, 23, 27, 28, 32, 33, 34, 35, 36, 37, 38, 39

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Global node Presence Mean (Weighted): 45.76%

Implementation Number 152

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.2903	0.4500	0.5713	0.3889
ML39.csv	ML01.csv	0.3793	0.5500	0.8320	0.2000
ML39.csv	ML02.csv	0.3793	0.5500	0.1745	0.4909
ML39.csv	ML03.csv	0.2903	0.4500	0.8320	0.0556
ML39.csv	ML04.csv	0.2500	0.4000	0.9831	0.1429
ML39.csv	ML05.csv	0.3793	0.5500	0.5713	0.2727
ML39.csv	ML06.csv	0.3793	0.5500	0.5713	0.5273
ML39.csv	ML07.csv	0.2500	0.4000	0.3356	0.2143
ML39.csv	ML08.csv	0.2903	0.4500	0.9831	0.3333
ML39.csv	ML09.csv	0.2903	0.4500	0.3356	0.1667
ML39.csv	ML10.csv	0.2500	0.4000	0.5713	0.4286
ML39.csv	ML11.csv	0.2500	0.4000	0.3356	0.2857
ML39.csv	ML12.csv	0.3333	0.5000	0.8320	0.2889
ML39.csv	ML13.csv	0.3793	0.5500	0.8320	0.2364
ML39.csv	ML14.csv	0.2500	0.4000	0.9831	0.4286
ML39.csv	ML15.csv	0.2121	0.3500	0.8320	0.2381
ML39.csv	ML16.csv	0.2121	0.3500	0.8320	0.5238
ML39.csv	ML17.csv	0.3333	0.5000	0.5713	0.3778
ML39.csv	ML18.csv	0.2903	0.4500	0.3356	0.1111
ML39.csv	ML19.csv	0.3793	0.5500	0.5713	0.3455
ML39.csv	ML20.csv	0.3333	0.5000	0.3356	0.2444
ML39.csv	ML21.csv	0.3333	0.5000	0.8320	-0.1111
ML39.csv	ML22.csv	0.3333	0.5000	0.8320	0.5111
ML39.csv	ML23.csv	0.3333	0.5000	0.9831	0.4222
ML39.csv	ML24.csv	0.3333	0.5000	0.5713	0.2000
ML39.csv	ML25.csv	0.3333	0.5000	0.5713	0.2889
ML39.csv	ML26.csv	0.3333	0.5000	0.5713	-0.1556
ML39.csv	ML27.csv	0.3793	0.5500	0.9831	0.3818
ML39.csv	ML28.csv	0.2121	0.3500	0.8320	0.5238
ML39.csv	ML29.csv	0.3333	0.5000	0.0811	0.3333
ML39.csv	ML30.csv	0.3793	0.5500	0.1745	0.2000
ML39.csv	ML31.csv	0.3793	0.5500	0.3356	0.1273
ML39.csv	ML32.csv	0.3793	0.5500	0.9831	0.4545
ML39.csv	ML33.csv	0.2903	0.4500	0.9831	0.3889
ML39.csv	ML34.csv	0.3333	0.5000	0.5713	0.2889

Implementation Number 152

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.4286	0.6000	0.5713	0.1515
ML39.csv	ML36.csv	0.2121	0.3500	0.8320	0.6190
ML39.csv	ML37.csv	0.2121	0.3500	0.3356	0.5238
ML39.csv	ML38.csv	0.2500	0.4000	0.3356	0.0714
ML00.csv	ML01.csv	0.4815	0.6500	0.5713	0.4103
ML00.csv	ML02.csv	0.2903	0.4500	0.1745	0.8333
ML00.csv	ML03.csv	0.2500	0.4000	0.5713	0.3571
ML00.csv	ML04.csv	0.2500	0.4000	0.9831	0.3571
ML00.csv	ML05.csv	0.2500	0.4000	0.3356	0.0714
ML00.csv	ML06.csv	0.2903	0.4500	0.8320	0.3333
ML00.csv	ML07.csv	0.2903	0.4500	0.5713	0.3333
ML00.csv	ML08.csv	0.3333	0.5000	0.5713	0.4222
ML00.csv	ML09.csv	0.3793	0.5500	0.0335	0.4909
ML00.csv	ML10.csv	0.2903	0.4500	0.9831	0.0556
ML00.csv	ML11.csv	0.2903	0.4500	0.9831	0.1667

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2890

Fleiss' Kappa Agreement Index (κ_F): 0.3080

Mean KS Distance Between Pairs (D): 0.2504

Mean p-value for KS Test Pairs: 0.5911

Mean KS Distance for Multiple Samples (D_{mult}): 0.1800

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5462

Mean Kendall Tau ($\bar{\tau}$): 0.2693

Median Kendall Tau ($\tilde{\tau}$): 0.2857

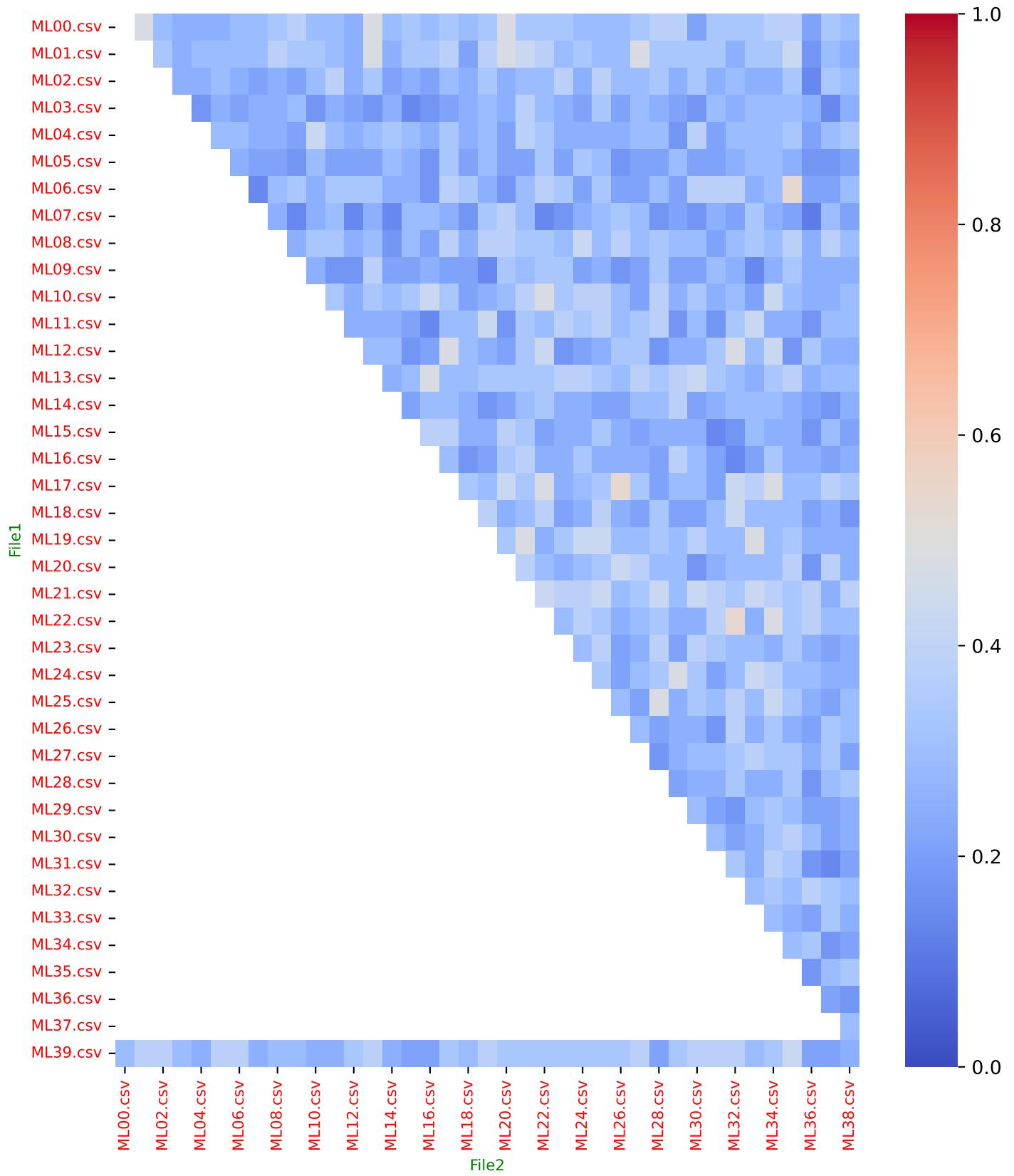
Percentage of Pairs with $\tau > 0$: 83.33%

Implementation Number 152

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

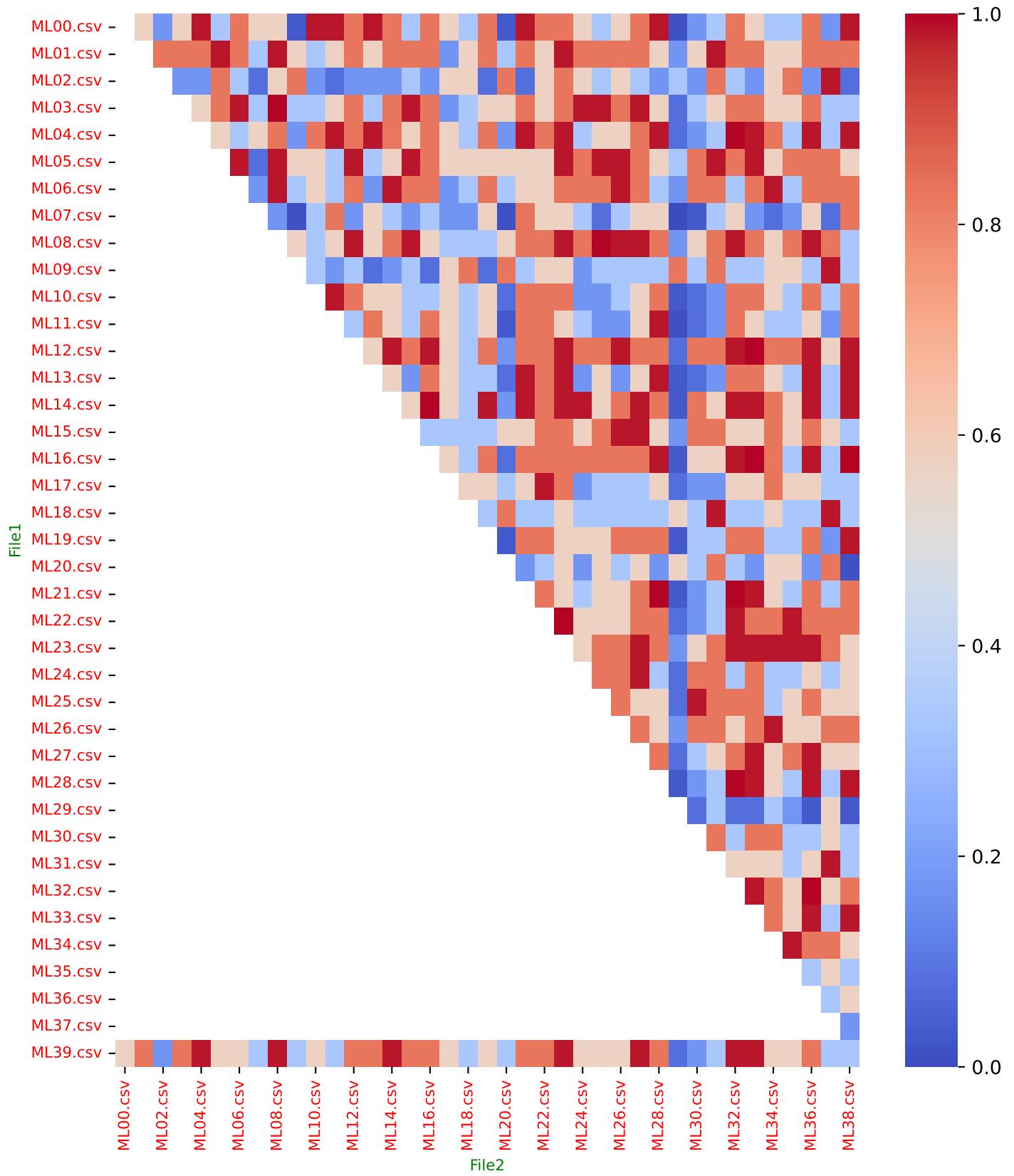


Implementation Number 152

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

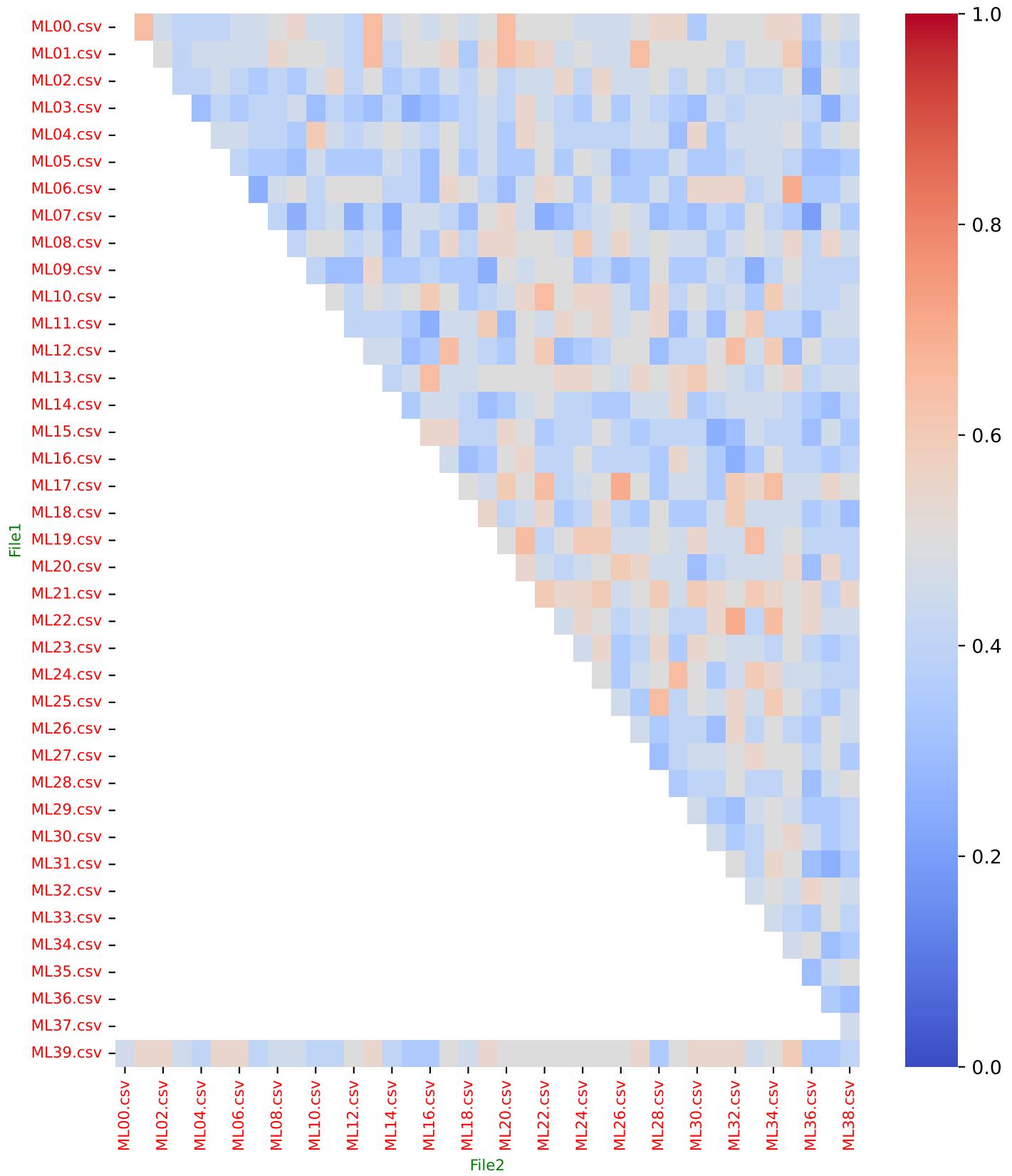


Implementation Number 152

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

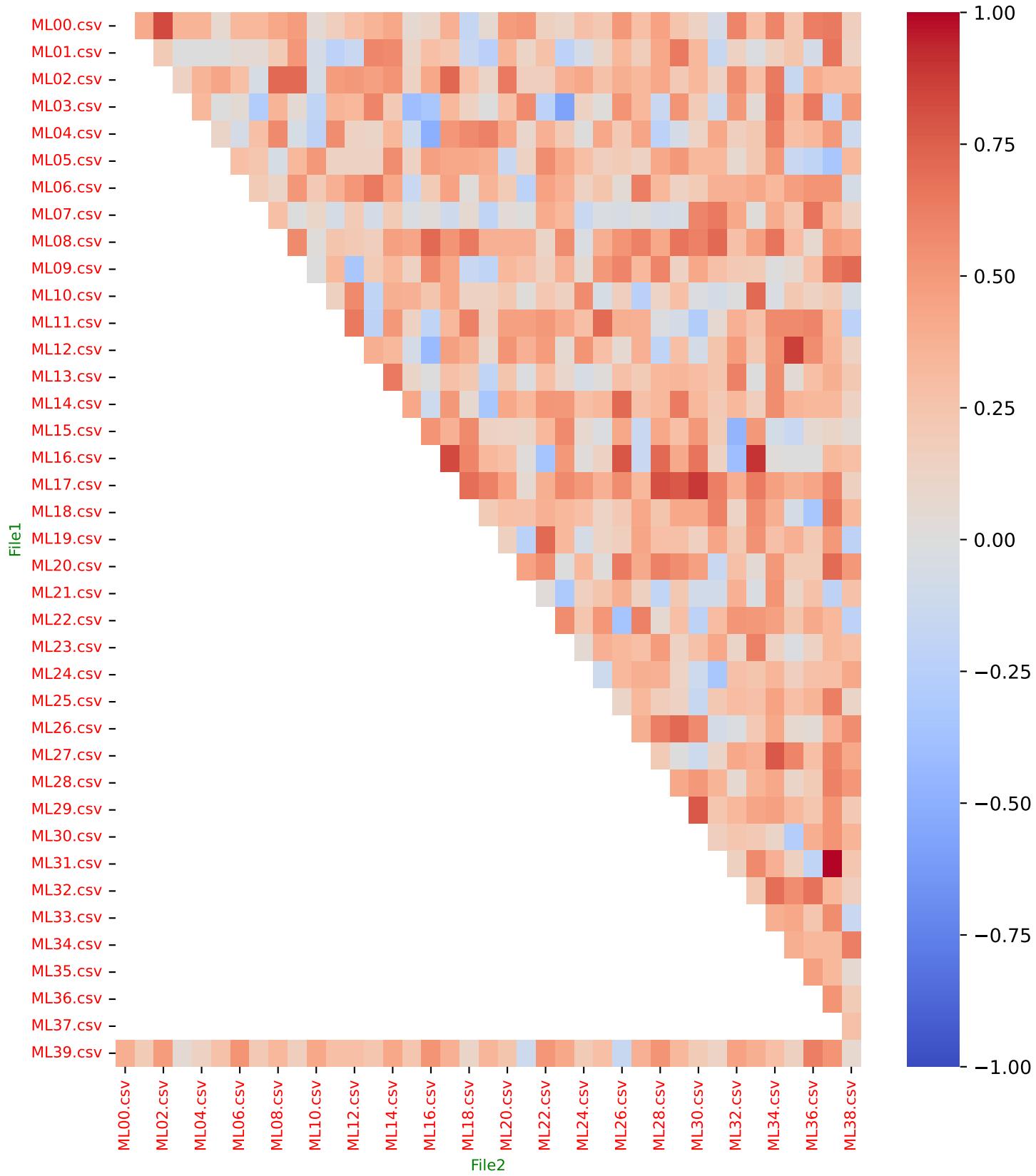


Implementation Number 152

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 153

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 30
Number of Files: 40**

Implementation Number 153

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 153

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 153

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
057.50 %	BAKON_211	00, 01, 03, 04, 05, 06, 07, 08, 10, 11, 12, 15, 16, 19, 23, 24, 26, 29, 31, 32, 33, 35, 36
080.00 %	BAKON_422	00, 01, 02, 03, 05, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 33, 34, 35, 37, 38
097.50 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39
030.00 %	BAKON_604	00, 02, 04, 08, 10, 21, 22, 23, 28, 30, 32, 36
017.50 %	BAKON_239	00, 03, 07, 24, 31, 32, 36
087.50 %	BAKON_478	00, 01, 02, 03, 04, 06, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39
022.50 %	BAKON_450	00, 04, 19, 27, 30, 33, 35, 36, 38
060.00 %	BAKON_571	00, 01, 04, 06, 07, 08, 09, 12, 13, 14, 18, 20, 22, 25, 26, 27, 30, 31, 32, 34, 35, 37, 38, 39
045.00 %	BAKON_098	00, 01, 02, 07, 08, 09, 12, 13, 14, 17, 19, 20, 22, 28, 32, 33, 34, 36
080.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 11, 12, 13, 14, 15, 18, 19, 20, 21, 22, 23, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 39
035.00 %	BAKON_343	00, 01, 07, 09, 10, 14, 17, 24, 28, 31, 32, 35, 36, 39
095.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38
040.00 %	BAKON_425	00, 02, 03, 05, 06, 07, 14, 15, 16, 19, 20, 26, 31, 32, 34, 36
082.50 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37
087.50 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12, 13, 14, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 38, 39
075.00 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 14, 17, 18, 20, 21, 23, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 38, 39
035.00 %	BAKON_293	00, 02, 05, 06, 12, 13, 15, 18, 21, 26, 27, 28, 33, 39
067.50 %	BAKON_570	00, 03, 04, 05, 06, 07, 09, 11, 12, 13, 15, 18, 20, 23, 25, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39
005.00 %	BAKON_475	00, 06

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Global node Presence Mean (Weighted): 48.47%

Implementation Number 153

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.3953	0.5667	0.8080	0.2140
ML39.csv	ML01.csv	0.3043	0.4667	0.5941	0.2747
ML39.csv	ML02.csv	0.2766	0.4333	0.3929	0.4103
ML39.csv	ML03.csv	0.3636	0.5333	0.9578	0.2167
ML39.csv	ML04.csv	0.2245	0.3667	0.9988	0.1636
ML39.csv	ML05.csv	0.3953	0.5667	0.5941	0.2206
ML39.csv	ML06.csv	0.3636	0.5333	0.8080	0.6833
ML39.csv	ML07.csv	0.2500	0.4000	0.3929	0.1515
ML39.csv	ML08.csv	0.3636	0.5333	0.8080	0.2833
ML39.csv	ML09.csv	0.2500	0.4000	0.1350	0.3636
ML39.csv	ML10.csv	0.2766	0.4333	0.8080	0.4103
ML39.csv	ML11.csv	0.3636	0.5333	0.5941	0.3833
ML39.csv	ML12.csv	0.2766	0.4333	0.9578	0.2821
ML39.csv	ML13.csv	0.3636	0.5333	0.8080	0.1333
ML39.csv	ML14.csv	0.3636	0.5333	0.5941	0.4333
ML39.csv	ML15.csv	0.2000	0.3333	0.9578	0.2000
ML39.csv	ML16.csv	0.2500	0.4000	0.9578	0.1515
ML39.csv	ML17.csv	0.3043	0.4667	0.2391	0.5824
ML39.csv	ML18.csv	0.2245	0.3667	0.0065	0.2727
ML39.csv	ML19.csv	0.3043	0.4667	0.8080	0.5165
ML39.csv	ML20.csv	0.3636	0.5333	0.5941	0.4000
ML39.csv	ML21.csv	0.2500	0.4000	0.8080	-0.1818
ML39.csv	ML22.csv	0.3333	0.5000	0.8080	0.2952
ML39.csv	ML23.csv	0.2500	0.4000	0.5941	0.5152
ML39.csv	ML24.csv	0.3333	0.5000	0.8080	0.3333
ML39.csv	ML25.csv	0.3333	0.5000	0.8080	0.5742
ML39.csv	ML26.csv	0.3953	0.5667	0.8080	0.3321
ML39.csv	ML27.csv	0.4286	0.6000	0.3929	0.5948
ML39.csv	ML28.csv	0.2766	0.4333	0.9578	0.5128
ML39.csv	ML29.csv	0.3636	0.5333	0.0709	0.3333
ML39.csv	ML30.csv	0.3333	0.5000	0.3929	0.3333
ML39.csv	ML31.csv	0.3953	0.5667	0.0709	0.3824
ML39.csv	ML32.csv	0.4286	0.6000	0.9988	0.3987
ML39.csv	ML33.csv	0.3043	0.4667	0.8080	0.6044
ML39.csv	ML34.csv	0.3636	0.5333	0.5941	0.2762

Implementation Number 153

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.4286	0.6000	0.8080	0.1242
ML39.csv	ML36.csv	0.2245	0.3667	0.8080	0.7818
ML39.csv	ML37.csv	0.2500	0.4000	0.2391	0.2424
ML39.csv	ML38.csv	0.2766	0.4333	0.3929	0.3333
ML00.csv	ML01.csv	0.3953	0.5667	0.8080	0.1324
ML00.csv	ML02.csv	0.2500	0.4000	0.3929	0.6667
ML00.csv	ML03.csv	0.2500	0.4000	0.8080	0.5455
ML00.csv	ML04.csv	0.2766	0.4333	0.8080	0.4615
ML00.csv	ML05.csv	0.3333	0.5000	0.5941	0.1531
ML00.csv	ML06.csv	0.3953	0.5667	0.5941	0.2941
ML00.csv	ML07.csv	0.3043	0.4667	0.5941	0.3846
ML00.csv	ML08.csv	0.4634	0.6333	0.8080	0.4386
ML00.csv	ML09.csv	0.3043	0.4667	0.1350	0.4945
ML00.csv	ML10.csv	0.2766	0.4333	0.9578	0.2564
ML00.csv	ML11.csv	0.3333	0.5000	0.5941	0.2762

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Global Metrics:

Mean Jaccard Coefficient (J): 0.3118

Fleiss' Kappa Agreement Index (κF): 0.3324

Mean KS Distance Between Pairs (D): 0.2125

Mean p-value for KS Test Pairs: 0.5656

Mean KS Distance for Multiple Samples (D_{mult}): 0.1546

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5134

Mean Kendall Tau ($\bar{\tau}$): 0.2954

Median Kendall Tau ($\tilde{\tau}$): 0.3030

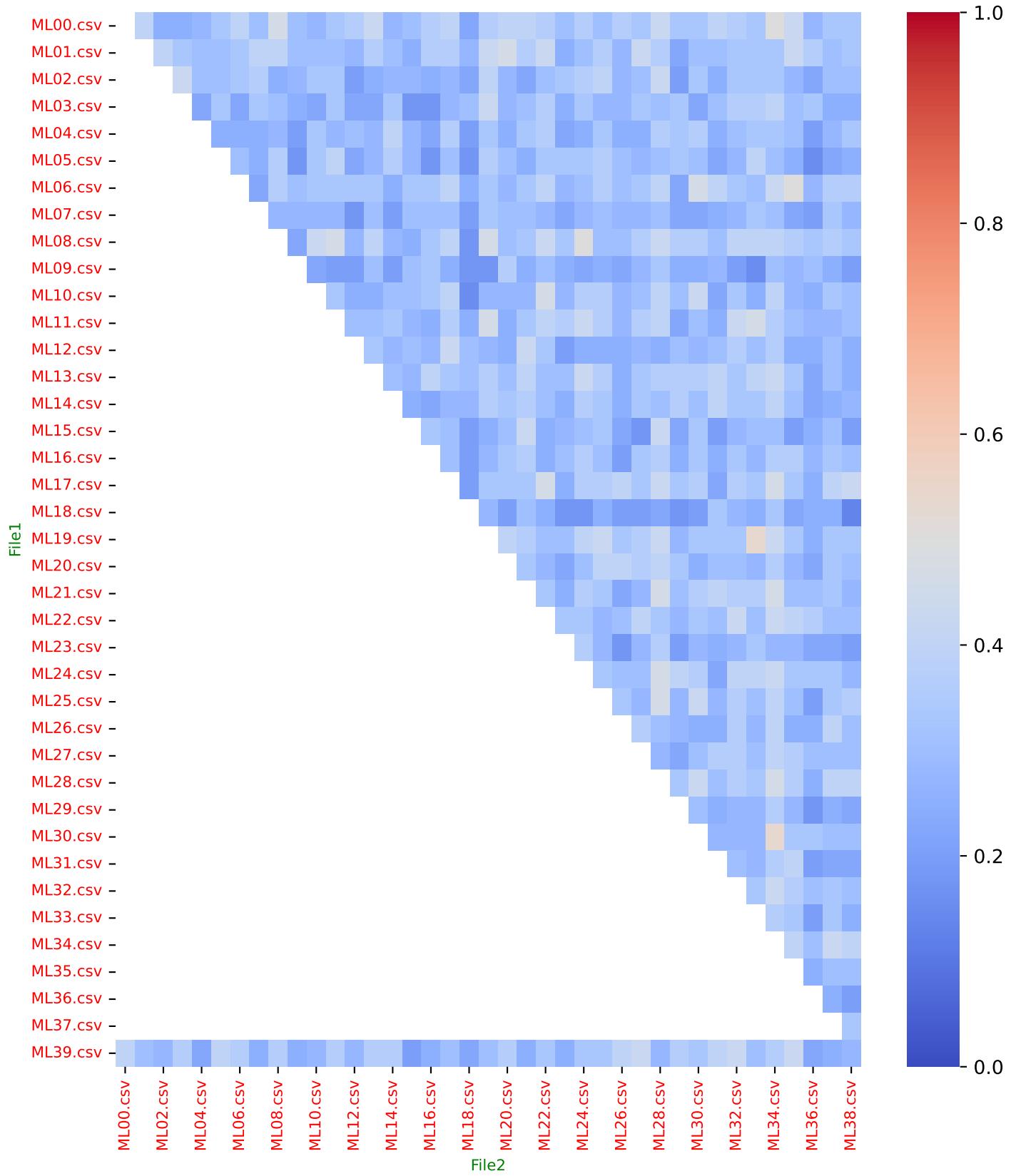
Percentage of Pairs with $\tau > 0$: 92.31%

Implementation Number 153

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

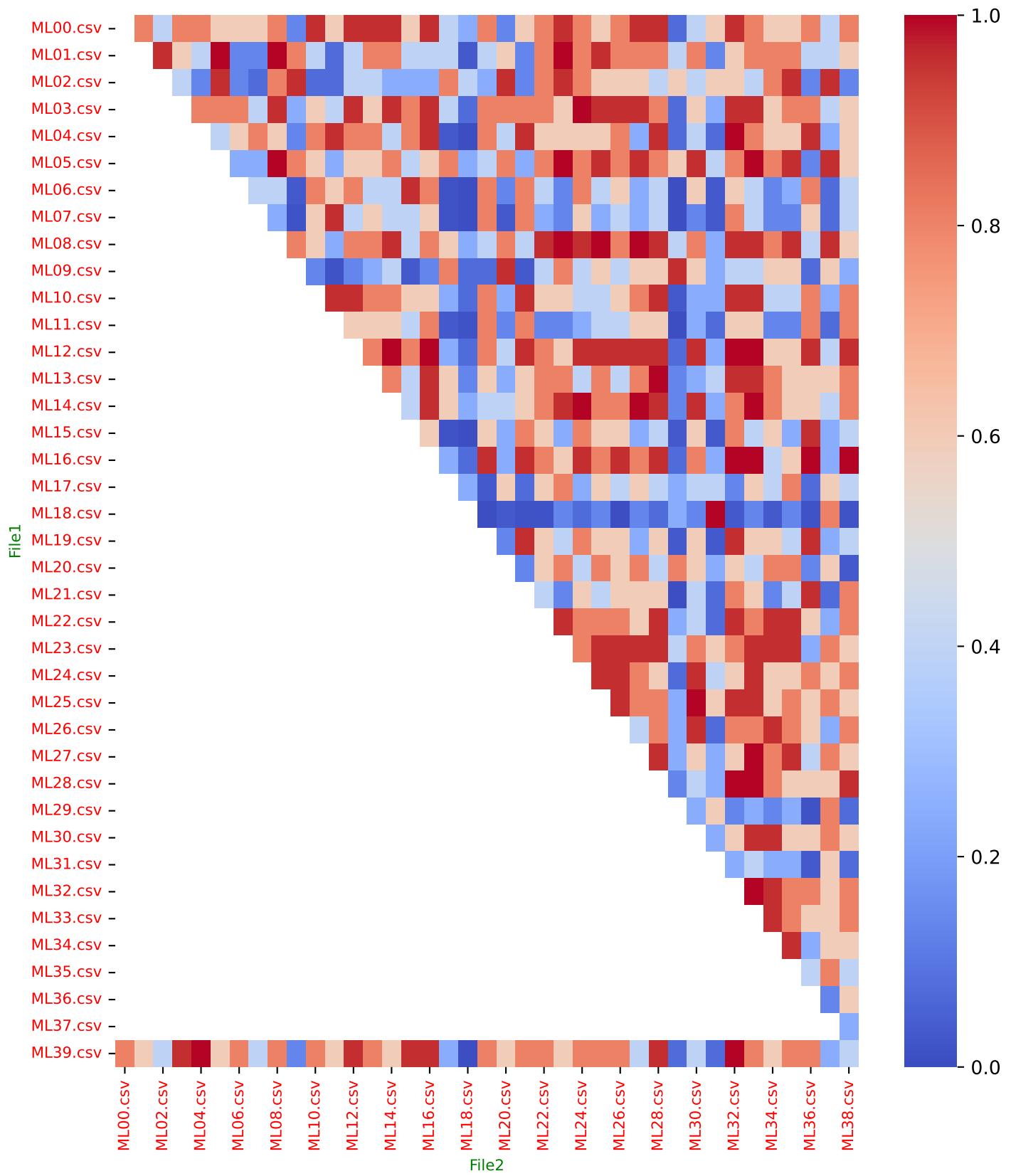


Implementation Number 153

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

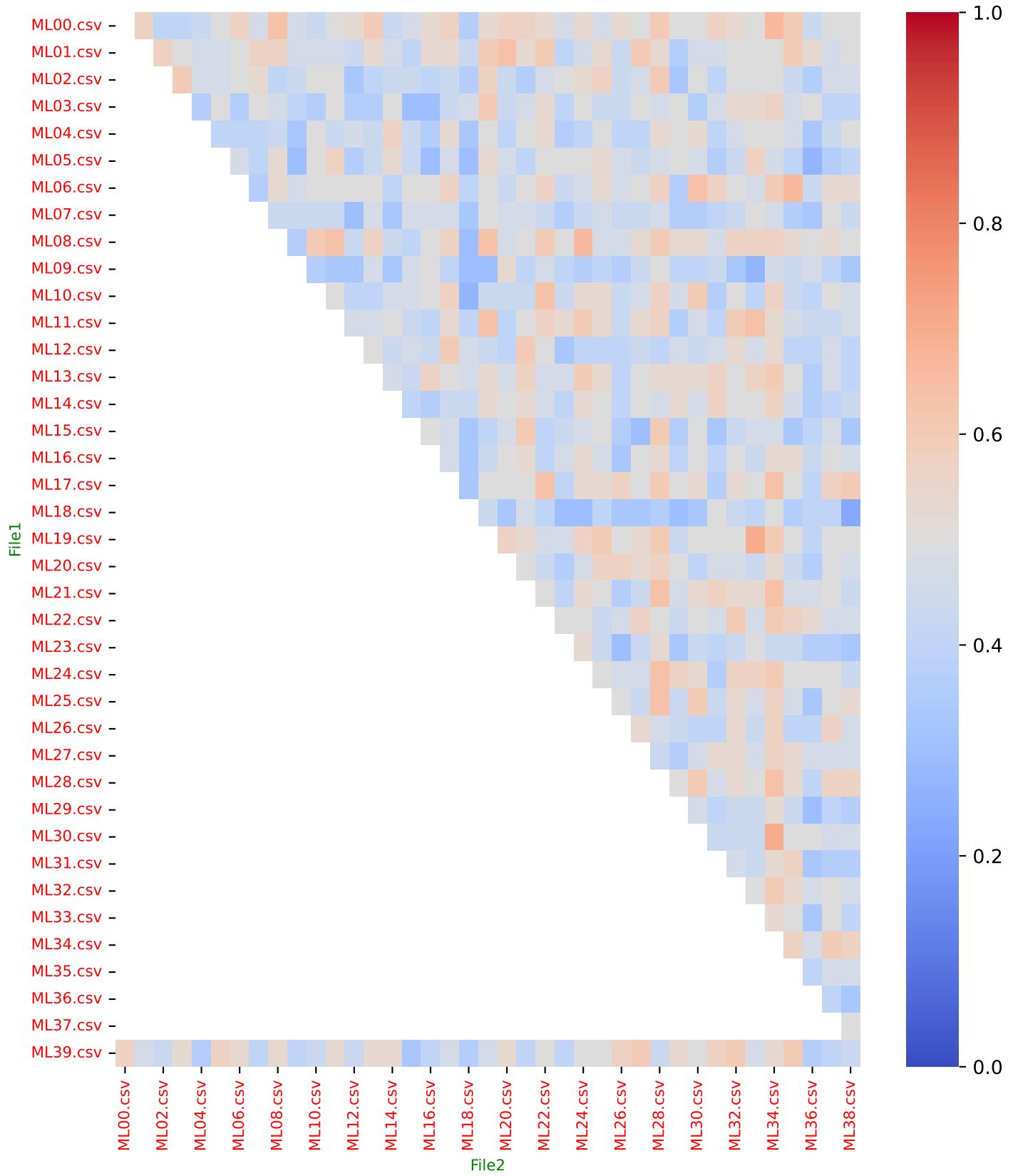


Implementation Number 153

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

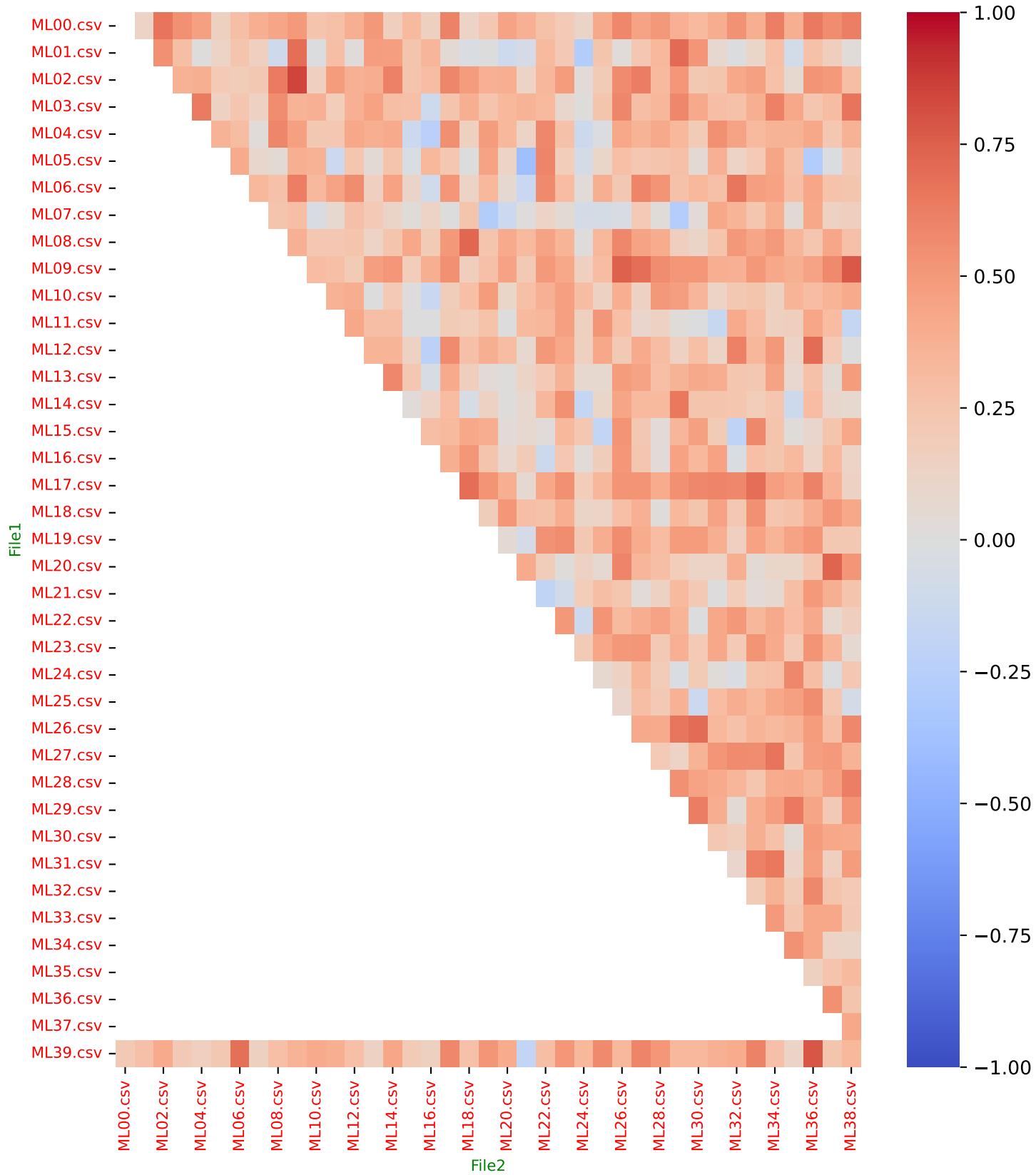


Implementation Number 153

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 154

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 50
Number of Files: 40**

Implementation Number 154

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 154

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 154

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
070.00 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 19, 21, 23, 24, 25, 26, 29, 31, 32, 33, 35, 36
095.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
062.50 %	BAKON_604	00, 02, 04, 07, 08, 10, 11, 12, 13, 18, 20, 21, 22, 23, 24, 27, 28, 30, 32, 33, 34, 35, 36, 37, 39
025.00 %	BAKON_239	00, 03, 04, 07, 10, 16, 24, 31, 32, 36
095.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
032.50 %	BAKON_450	00, 04, 05, 06, 09, 17, 19, 27, 30, 33, 35, 36, 38
065.00 %	BAKON_571	00, 01, 04, 06, 07, 08, 09, 12, 13, 14, 16, 17, 18, 20, 22, 25, 26, 27, 30, 31, 32, 34, 35, 37, 38, 39
055.00 %	BAKON_098	00, 01, 02, 07, 08, 09, 12, 13, 14, 17, 19, 20, 21, 22, 24, 28, 29, 32, 33, 34, 36, 39
087.50 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 39
047.50 %	BAKON_343	00, 01, 04, 07, 09, 10, 14, 17, 24, 25, 26, 28, 30, 31, 32, 34, 35, 36, 39
095.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38
085.00 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12, 14, 15, 16, 18, 19, 20, 21, 22, 24, 25, 26, 27, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39
085.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39
090.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 38, 39
082.50 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 15, 17, 18, 20, 21, 23, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 38, 39
045.00 %	BAKON_293	00, 02, 05, 06, 12, 13, 14, 15, 18, 21, 23, 25, 26, 27, 28, 31, 33, 39

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Global node Presence Mean (Weighted): 54.60%

Implementation Number 154

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.3333	0.5000	0.0217	0.3907
ML39.csv	ML01.csv	0.4085	0.5800	0.5487	0.2069
ML39.csv	ML02.csv	0.3514	0.5200	0.0678	0.6040
ML39.csv	ML03.csv	0.4085	0.5800	0.3959	0.2759
ML39.csv	ML04.csv	0.3333	0.5000	0.9667	0.2571
ML39.csv	ML05.csv	0.3514	0.5200	0.2719	0.2404
ML39.csv	ML06.csv	0.4925	0.6600	0.9667	0.4190
ML39.csv	ML07.csv	0.3333	0.5000	0.7166	0.2972
ML39.csv	ML08.csv	0.4085	0.5800	0.1786	0.2217
ML39.csv	ML09.csv	0.3699	0.5400	0.3959	0.3024
ML39.csv	ML10.csv	0.3158	0.4800	0.1124	0.1957
ML39.csv	ML11.csv	0.3514	0.5200	0.1124	0.2738
ML39.csv	ML12.csv	0.3333	0.5000	0.3959	0.4800
ML39.csv	ML13.csv	0.4493	0.6200	0.3959	0.3548
ML39.csv	ML14.csv	0.3889	0.5600	0.3959	0.2857
ML39.csv	ML15.csv	0.3158	0.4800	0.9977	0.1377
ML39.csv	ML16.csv	0.3514	0.5200	0.1124	0.2246
ML39.csv	ML17.csv	0.3514	0.5200	0.2719	0.3723
ML39.csv	ML18.csv	0.2500	0.4000	0.0058	0.4316
ML39.csv	ML19.csv	0.3514	0.5200	0.9667	0.2800
ML39.csv	ML20.csv	0.3889	0.5600	0.1786	0.1323
ML39.csv	ML21.csv	0.3514	0.5200	0.5487	0.2677
ML39.csv	ML22.csv	0.3514	0.5200	0.8693	0.4277
ML39.csv	ML23.csv	0.3514	0.5200	0.0678	0.4215
ML39.csv	ML24.csv	0.4085	0.5800	0.0392	0.2562
ML39.csv	ML25.csv	0.4286	0.6000	0.1786	0.4511
ML39.csv	ML26.csv	0.4286	0.6000	0.7166	0.3867
ML39.csv	ML27.csv	0.3514	0.5200	0.2719	0.5385
ML39.csv	ML28.csv	0.4286	0.6000	0.2719	0.2046
ML39.csv	ML29.csv	0.3889	0.5600	0.2719	0.2751
ML39.csv	ML30.csv	0.4085	0.5800	0.3959	0.3744
ML39.csv	ML31.csv	0.3889	0.5600	0.0115	0.5238
ML39.csv	ML32.csv	0.4706	0.6400	0.7166	0.5766
ML39.csv	ML33.csv	0.4085	0.5800	0.7166	0.4680
ML39.csv	ML34.csv	0.4493	0.6200	0.3959	0.3272

Implementation Number 154

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.4286	0.6000	0.3959	0.2460
ML39.csv	ML36.csv	0.3333	0.5000	0.2719	0.3467
ML39.csv	ML37.csv	0.2821	0.4400	0.0678	0.4199
ML39.csv	ML38.csv	0.4493	0.6200	0.7166	0.0818
ML00.csv	ML01.csv	0.4493	0.6200	0.2719	0.0904
ML00.csv	ML02.csv	0.3699	0.5400	0.7166	0.5670
ML00.csv	ML03.csv	0.4286	0.6000	0.1786	0.2762
ML00.csv	ML04.csv	0.3514	0.5200	0.1786	0.1849
ML00.csv	ML05.csv	0.3333	0.5000	0.0678	0.3038
ML00.csv	ML06.csv	0.4493	0.6200	0.0217	0.3445
ML00.csv	ML07.csv	0.4493	0.6200	0.0217	0.2110
ML00.csv	ML08.csv	0.4085	0.5800	0.2719	0.4828
ML00.csv	ML09.csv	0.3889	0.5600	0.0058	0.3682
ML00.csv	ML10.csv	0.3514	0.5200	0.2719	0.3477
ML00.csv	ML11.csv	0.2987	0.4600	0.0392	0.6364

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Global Metrics:

Mean Jaccard Coefficient (J): 0.3666

Fleiss' Kappa Agreement Index (κF): 0.3704

Mean KS Distance Between Pairs (D): 0.1754

Mean p-value for KS Test Pairs: 0.4985

Mean KS Distance for Multiple Samples (D_{mult}): 0.1253

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.4803

Mean Kendall Tau ($\bar{\tau}$): 0.3087

Median Kendall Tau ($\tilde{\tau}$): 0.3047

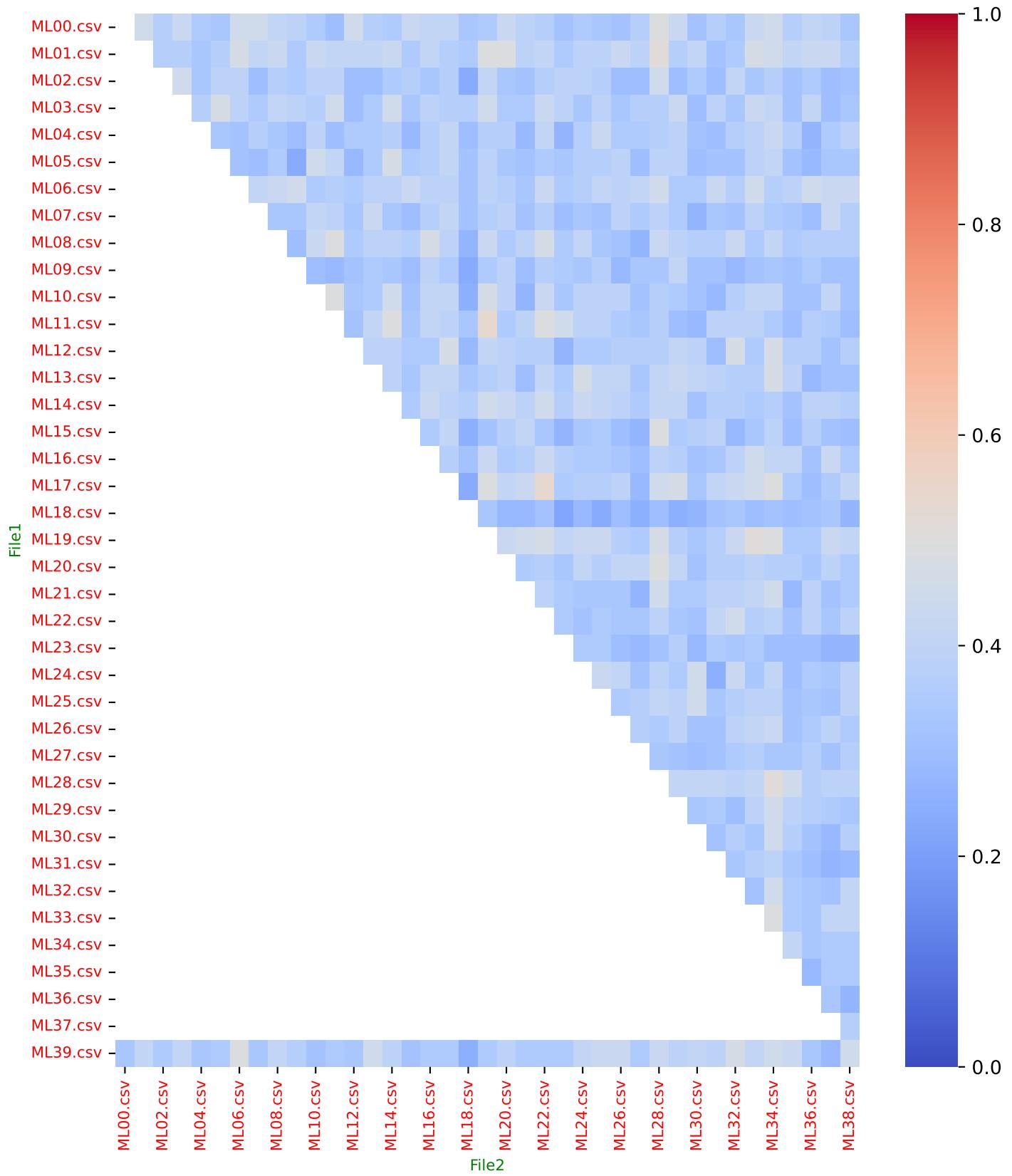
Percentage of Pairs with $\tau > 0$: 99.36%

Implementation Number 154

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

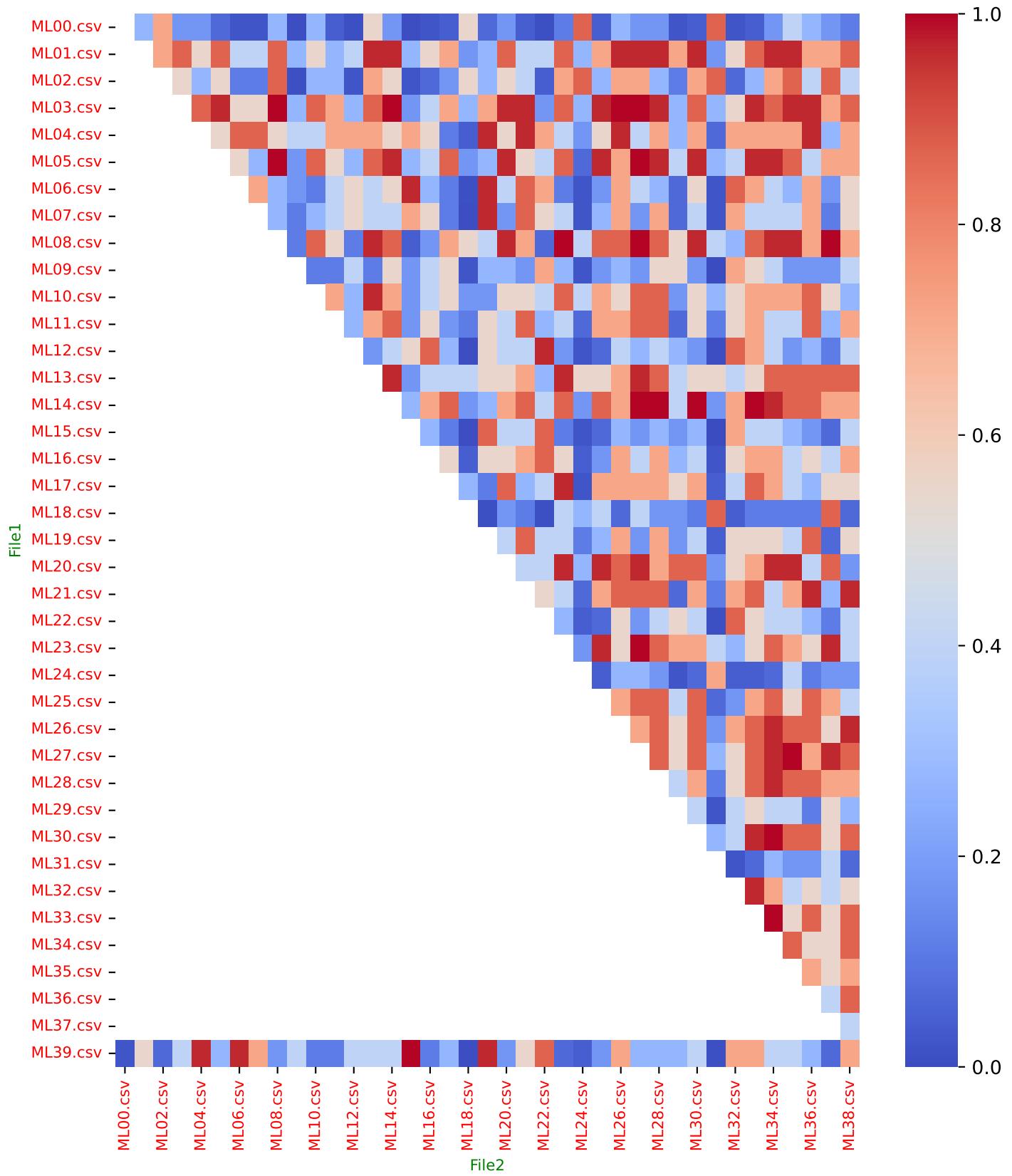


Implementation Number 154

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

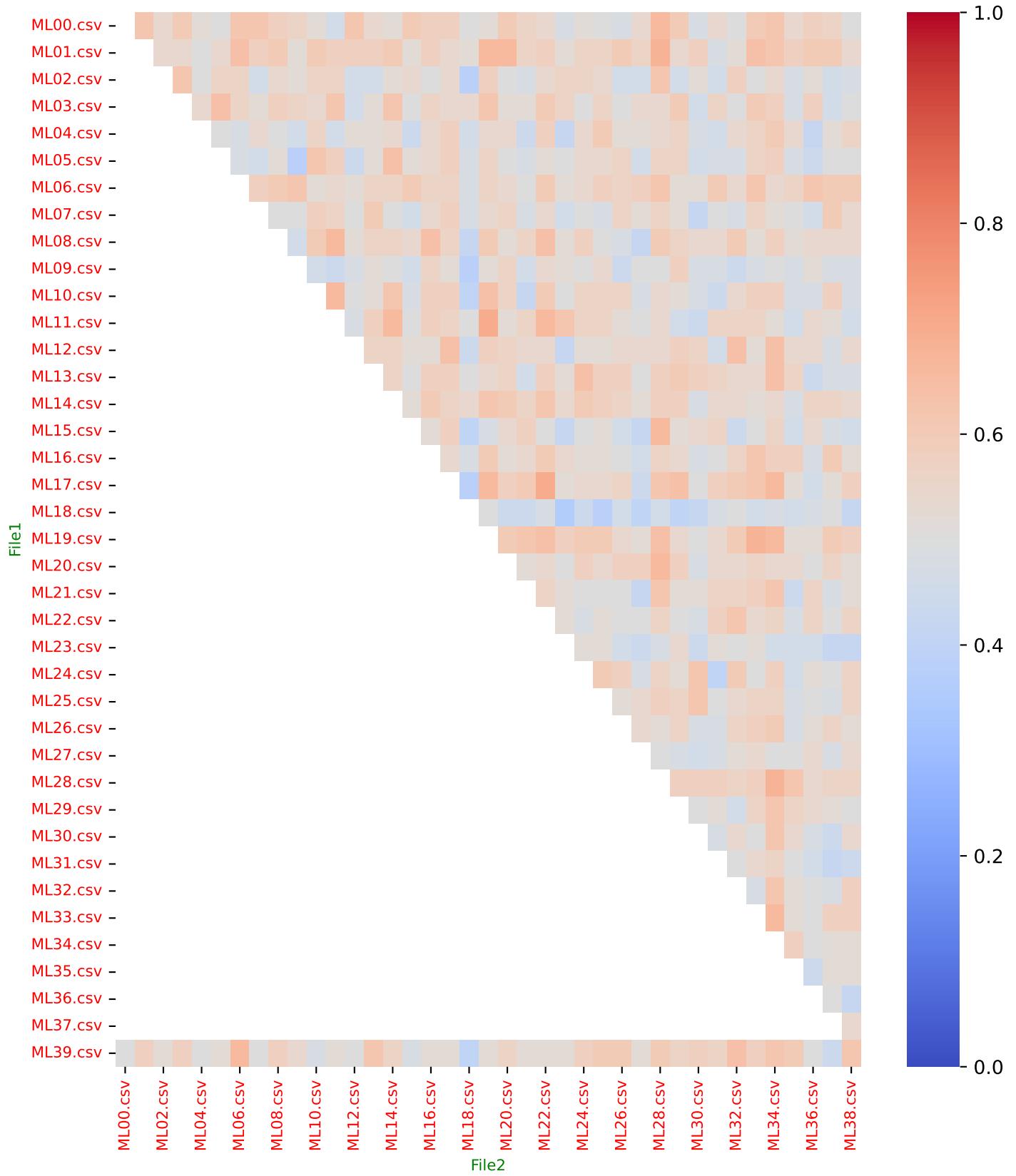


Implementation Number 154

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

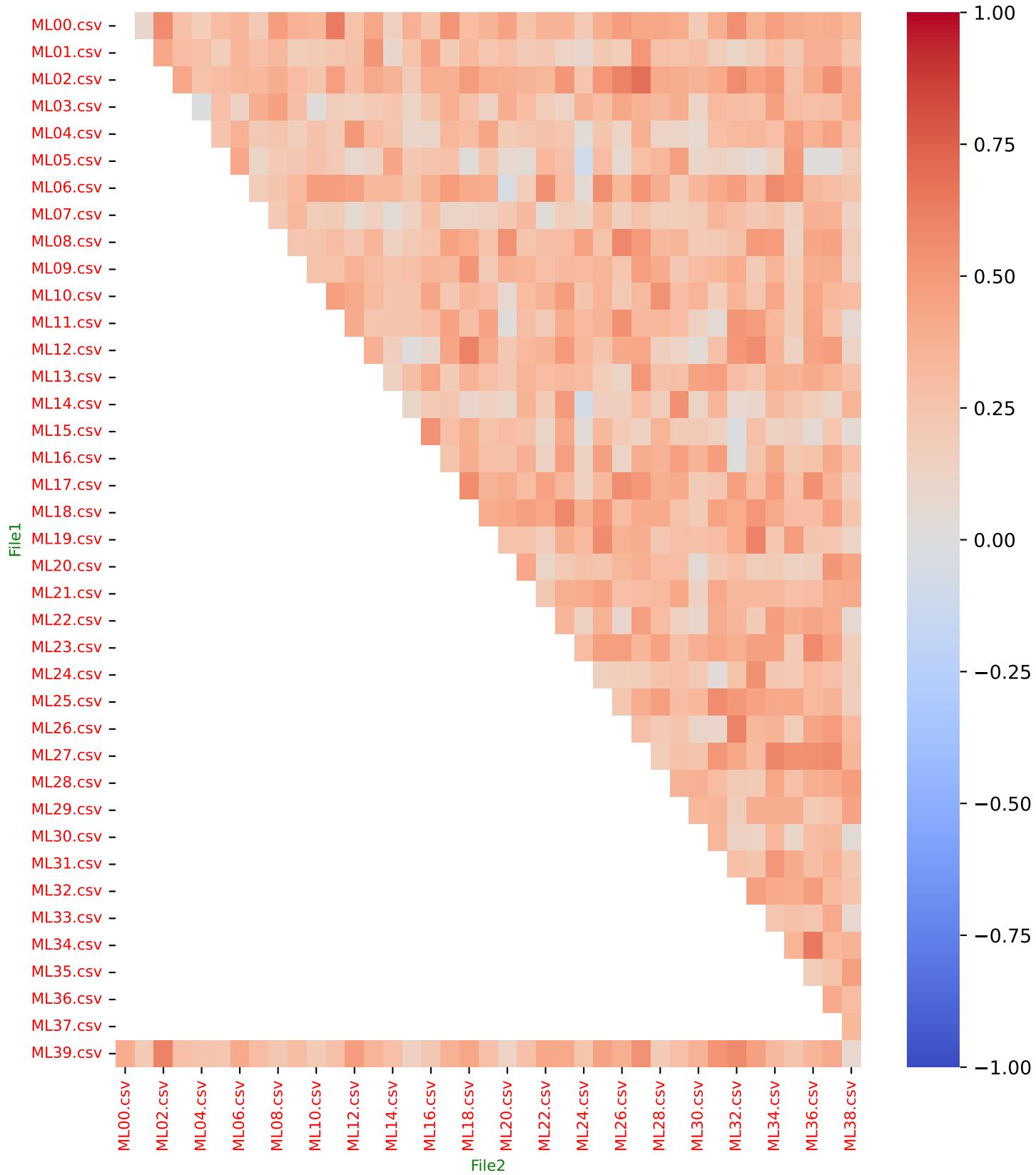


Implementation Number 154

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 155

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweenesscentrality*

**Top Nodes: 100
Number of Files: 40**

Implementation Number 155

Parameters: Top_N = 100

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 155

Parameters: Top_N = 100

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 155

Parameters: Top_N = 100

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
------------	-------	-------

090.00 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 29, 30, 31, 32, 33, 35, 36, 38, 39
100.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
095.00 %	BAKON_604	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39
042.50 %	BAKON_239	00, 02, 03, 04, 06, 07, 10, 14, 16, 20, 23, 24, 27, 28, 31, 32, 36
100.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
077.50 %	BAKON_450	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 16, 17, 18, 19, 21, 23, 24, 25, 27, 28, 30, 31, 33, 35, 36, 37, 38
087.50 %	BAKON_571	00, 01, 03, 04, 06, 07, 08, 09, 11, 12, 13, 14, 15, 16, 17, 18, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
085.00 %	BAKON_098	00, 01, 02, 03, 04, 05, 07, 08, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 39
095.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
052.50 %	BAKON_343	00, 01, 02, 04, 07, 09, 10, 14, 17, 19, 24, 25, 26, 28, 30, 31, 32, 34, 35, 36, 39
097.50 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
100.00 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
085.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39

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Global node Presence Mean (Weighted): 65.68%

Implementation Number 155

Parameters: Top_N = 100

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.4184	0.5900	0.1548	0.3578
ML39.csv	ML01.csv	0.5267	0.6900	0.9084	0.2920
ML39.csv	ML02.csv	0.4388	0.6100	0.2819	0.3088
ML39.csv	ML03.csv	0.4388	0.6100	0.3682	0.3366
ML39.csv	ML04.csv	0.4184	0.5900	0.9684	0.3625
ML39.csv	ML05.csv	0.4706	0.6400	0.2112	0.3359
ML39.csv	ML06.csv	0.5038	0.6700	0.9684	0.5012
ML39.csv	ML07.csv	0.4184	0.5900	0.8154	0.2736
ML39.csv	ML08.csv	0.4706	0.6400	0.3682	0.3226
ML39.csv	ML09.csv	0.5152	0.6800	0.5830	0.3886
ML39.csv	ML10.csv	0.4184	0.5900	0.2819	0.3910
ML39.csv	ML11.csv	0.4599	0.6300	0.4695	0.4384
ML39.csv	ML12.csv	0.4599	0.6300	0.8154	0.3108
ML39.csv	ML13.csv	0.5504	0.7100	0.7021	0.3046
ML39.csv	ML14.csv	0.5385	0.7000	0.2112	0.3562
ML39.csv	ML15.csv	0.4388	0.6100	0.4695	0.1902
ML39.csv	ML16.csv	0.4815	0.6500	0.4695	0.2635
ML39.csv	ML17.csv	0.5038	0.6700	0.7021	0.3360
ML39.csv	ML18.csv	0.3986	0.5700	0.1112	0.1654
ML39.csv	ML19.csv	0.4388	0.6100	0.1112	0.2831
ML39.csv	ML20.csv	0.4388	0.6100	0.5830	0.2918
ML39.csv	ML21.csv	0.5038	0.6700	0.4695	0.3605
ML39.csv	ML22.csv	0.4925	0.6600	0.7021	0.3764
ML39.csv	ML23.csv	0.5267	0.6900	0.0241	0.3279
ML39.csv	ML24.csv	0.4925	0.6600	0.2112	0.2238
ML39.csv	ML25.csv	0.4388	0.6100	0.5830	0.4324
ML39.csv	ML26.csv	0.4706	0.6400	0.0539	0.3806
ML39.csv	ML27.csv	0.4706	0.6400	0.7021	0.3686
ML39.csv	ML28.csv	0.4925	0.6600	0.7021	0.2173
ML39.csv	ML29.csv	0.4925	0.6600	0.7021	0.2131
ML39.csv	ML30.csv	0.4493	0.6200	0.4695	0.3591
ML39.csv	ML31.csv	0.4815	0.6500	0.1548	0.3577
ML39.csv	ML32.csv	0.5267	0.6900	0.5830	0.4774
ML39.csv	ML33.csv	0.4706	0.6400	0.8154	0.3681
ML39.csv	ML34.csv	0.5038	0.6700	0.1548	0.3936

Implementation Number 155

Parameters: Top_N = 100

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.5385	0.7000	0.8154	0.3330
ML39.csv	ML36.csv	0.4388	0.6100	0.7021	0.3377
ML39.csv	ML37.csv	0.4286	0.6000	0.3682	0.1831
ML39.csv	ML38.csv	0.5385	0.7000	0.7021	0.3612
ML00.csv	ML01.csv	0.5385	0.7000	0.1548	0.3090
ML00.csv	ML02.csv	0.4706	0.6400	0.5830	0.2877
ML00.csv	ML03.csv	0.4493	0.6200	0.5830	0.2782
ML00.csv	ML04.csv	0.4184	0.5900	0.5830	0.2888
ML00.csv	ML05.csv	0.3986	0.5700	0.2819	0.2470
ML00.csv	ML06.csv	0.5152	0.6800	0.2112	0.3649
ML00.csv	ML07.csv	0.4706	0.6400	0.0156	0.3200
ML00.csv	ML08.csv	0.4706	0.6400	0.7021	0.3746
ML00.csv	ML09.csv	0.4706	0.6400	0.0364	0.4268
ML00.csv	ML10.csv	0.3986	0.5700	0.7021	0.3441
ML00.csv	ML11.csv	0.4184	0.5900	0.2819	0.2589

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Global Metrics:

Mean Jaccard Coefficient (J): 0.4806

Fleiss' Kappa Agreement Index (κF): 0.4608

Mean KS Distance Between Pairs (D): 0.1174

Mean p-value for KS Test Pairs: 0.5349

Mean KS Distance for Multiple Samples (D_{mult}): 0.0841

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5080

Mean Kendall Tau ($\bar{\tau}$): 0.3173

Median Kendall Tau ($\tilde{\tau}$): 0.3178

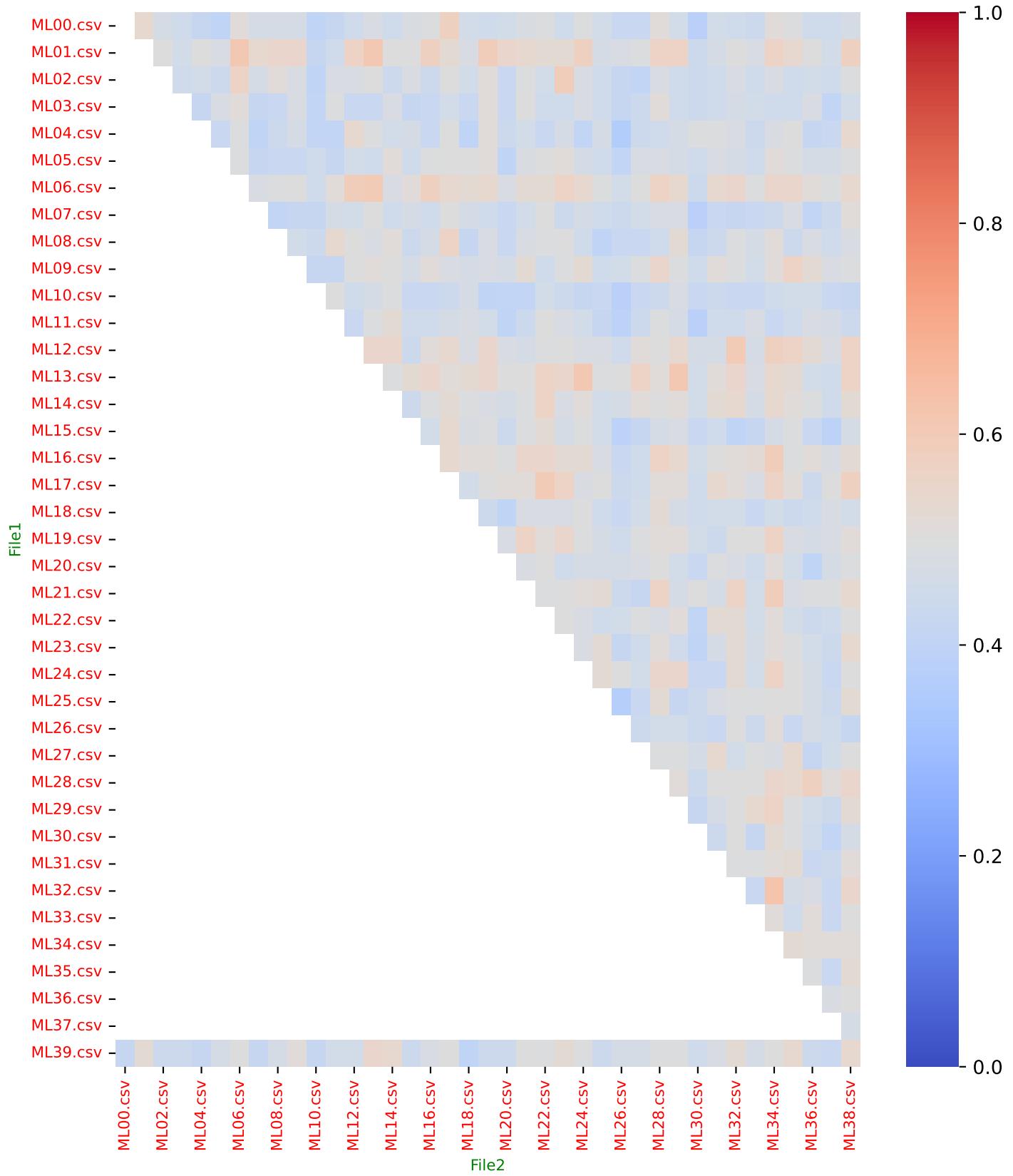
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 155

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

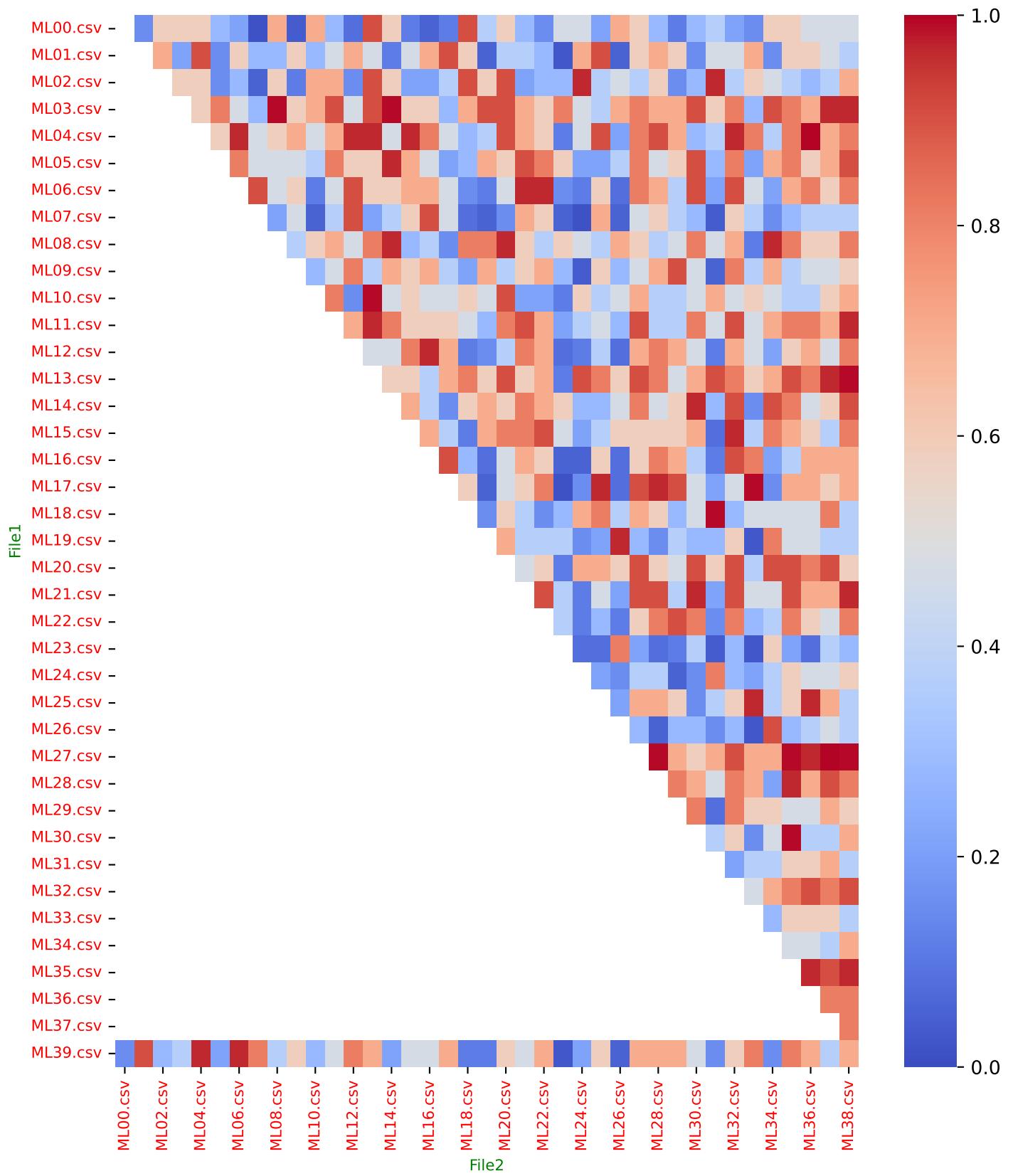


Implementation Number 155

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

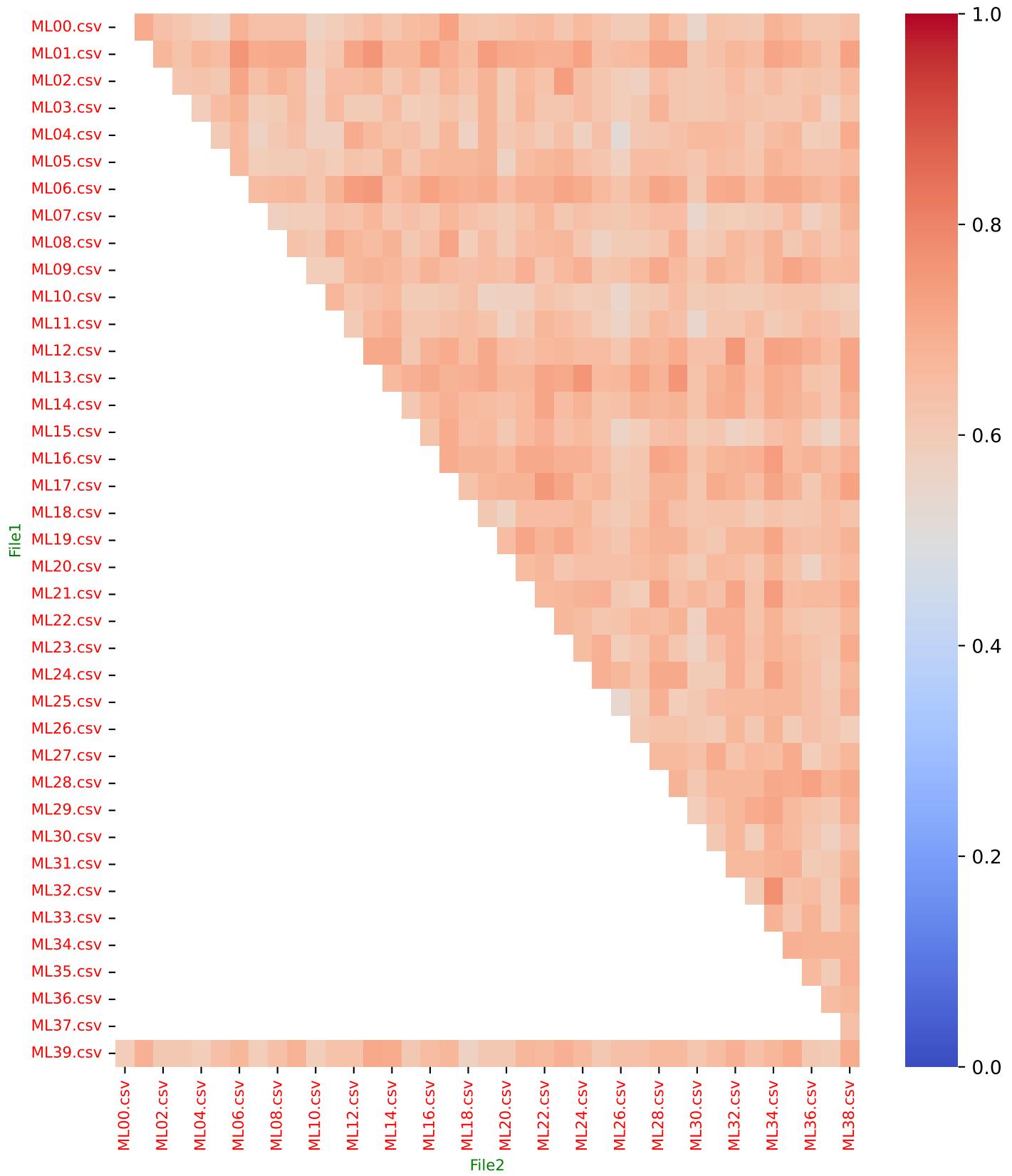


Implementation Number 155

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

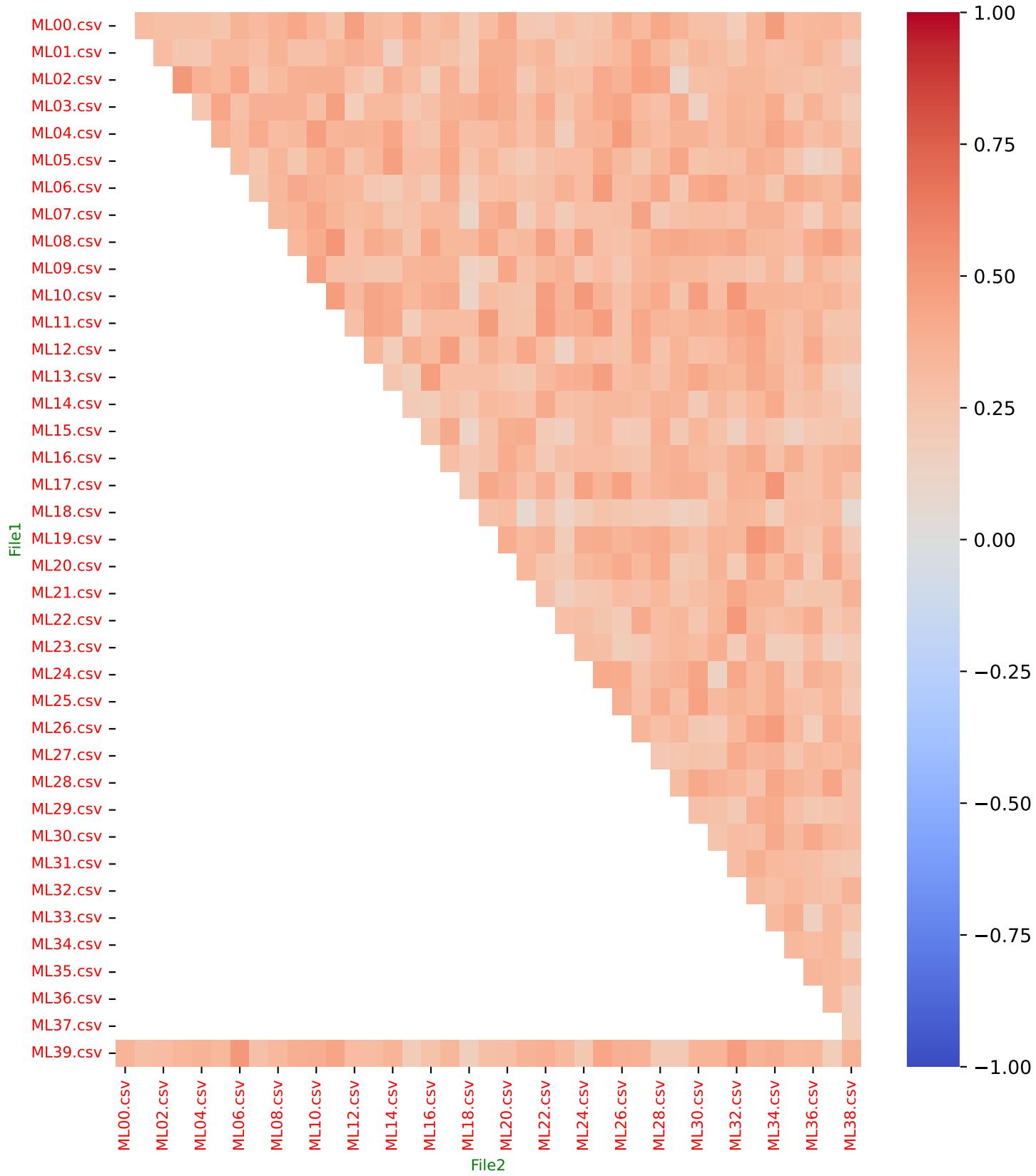


Implementation Number 155

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 156

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 200
Number of Files: 40**

Implementation Number 156

Parameters: Top_N = 200

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 156

Parameters: Top_N = 200

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 156

Parameters: Top_N = 200

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
------------	-------	-------

097.50 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
100.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
097.50 %	BAKON_604	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39
052.50 %	BAKON_239	00, 01, 02, 03, 04, 06, 07, 10, 14, 16, 18, 20, 21, 23, 24, 27, 28, 31, 32, 36, 39
100.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
082.50 %	BAKON_450	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 16, 17, 18, 19, 21, 23, 24, 25, 26, 27, 28, 30, 31, 33, 35, 36, 37, 38, 39
100.00 %	BAKON_571	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
097.50 %	BAKON_098	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 38, 39
100.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39

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Global node Presence Mean (Weighted): 74.22%

Implementation Number 156

Parameters: Top_N = 200

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.5326	0.6950	0.5453	0.3664
ML39.csv	ML01.csv	0.5873	0.7400	0.6284	0.3863
ML39.csv	ML02.csv	0.5686	0.7250	0.3281	0.3429
ML39.csv	ML03.csv	0.5873	0.7400	0.7934	0.3943
ML39.csv	ML04.csv	0.5810	0.7350	0.5453	0.2899
ML39.csv	ML05.csv	0.5686	0.7250	0.0680	0.4394
ML39.csv	ML06.csv	0.6064	0.7550	0.2705	0.5025
ML39.csv	ML07.csv	0.5810	0.7350	0.9647	0.4224
ML39.csv	ML08.csv	0.5444	0.7050	0.2205	0.3936
ML39.csv	ML09.csv	0.6260	0.7700	0.7934	0.4101
ML39.csv	ML10.csv	0.5625	0.7200	0.7126	0.3352
ML39.csv	ML11.csv	0.5748	0.7300	0.6284	0.4139
ML39.csv	ML12.csv	0.5748	0.7300	0.0396	0.3882
ML39.csv	ML13.csv	0.6529	0.7900	0.0680	0.5118
ML39.csv	ML14.csv	0.6129	0.7600	0.2705	0.4418
ML39.csv	ML15.csv	0.6000	0.7500	0.4663	0.3453
ML39.csv	ML16.csv	0.6129	0.7600	0.7934	0.3998
ML39.csv	ML17.csv	0.5873	0.7400	0.0221	0.4305
ML39.csv	ML18.csv	0.5625	0.7200	0.0297	0.3066
ML39.csv	ML19.csv	0.5385	0.7000	0.3935	0.3683
ML39.csv	ML20.csv	0.5936	0.7450	0.7126	0.3792
ML39.csv	ML21.csv	0.5936	0.7450	0.3935	0.4146
ML39.csv	ML22.csv	0.6327	0.7750	0.1123	0.4579
ML39.csv	ML23.csv	0.6667	0.8000	0.2205	0.4246
ML39.csv	ML24.csv	0.5385	0.7000	0.6284	0.4022
ML39.csv	ML25.csv	0.5936	0.7450	0.7934	0.3780
ML39.csv	ML26.csv	0.6000	0.7500	0.3281	0.3960
ML39.csv	ML27.csv	0.6667	0.8000	0.9238	0.4446
ML39.csv	ML28.csv	0.6064	0.7550	0.5453	0.4045
ML39.csv	ML29.csv	0.5748	0.7300	0.6284	0.4591
ML39.csv	ML30.csv	0.6000	0.7500	0.4663	0.3924
ML39.csv	ML31.csv	0.6000	0.7500	0.5453	0.3699
ML39.csv	ML32.csv	0.5625	0.7200	0.1421	0.4749
ML39.csv	ML33.csv	0.5625	0.7200	0.8655	0.4190
ML39.csv	ML34.csv	0.6129	0.7600	0.1123	0.4258

Implementation Number 156

Parameters: Top_N = 200

Number of files = 40

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.5936	0.7450	0.0521	0.4312
ML39.csv	ML36.csv	0.5810	0.7350	0.6284	0.3667
ML39.csv	ML37.csv	0.5564	0.7150	0.7934	0.3484
ML39.csv	ML38.csv	0.6260	0.7700	0.6284	0.4534
ML00.csv	ML01.csv	0.6064	0.7550	0.1123	0.4338
ML00.csv	ML02.csv	0.5209	0.6850	0.7934	0.3640
ML00.csv	ML03.csv	0.6129	0.7600	0.9238	0.4193
ML00.csv	ML04.csv	0.5564	0.7150	0.9238	0.3800
ML00.csv	ML05.csv	0.5152	0.6800	0.5453	0.3228
ML00.csv	ML06.csv	0.5748	0.7300	0.6284	0.4819
ML00.csv	ML07.csv	0.5936	0.7450	0.1779	0.3655
ML00.csv	ML08.csv	0.5748	0.7300	0.7126	0.4258
ML00.csv	ML09.csv	0.5444	0.7050	0.1123	0.3919
ML00.csv	ML10.csv	0.5564	0.7150	0.7934	0.3307
ML00.csv	ML11.csv	0.5504	0.7100	0.7126	0.3387

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Global Metrics:

Mean Jaccard Coefficient (J): 0.5823

Fleiss' Kappa Agreement Index (κF): 0.5037

Mean KS Distance Between Pairs (D): 0.0891

Mean p-value for KS Test Pairs: 0.4813

Mean KS Distance for Multiple Samples (D_{mult}): 0.0631

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.4771

Mean Kendall Tau ($\bar{\tau}$): 0.3974

Median Kendall Tau ($\tilde{\tau}$): 0.3979

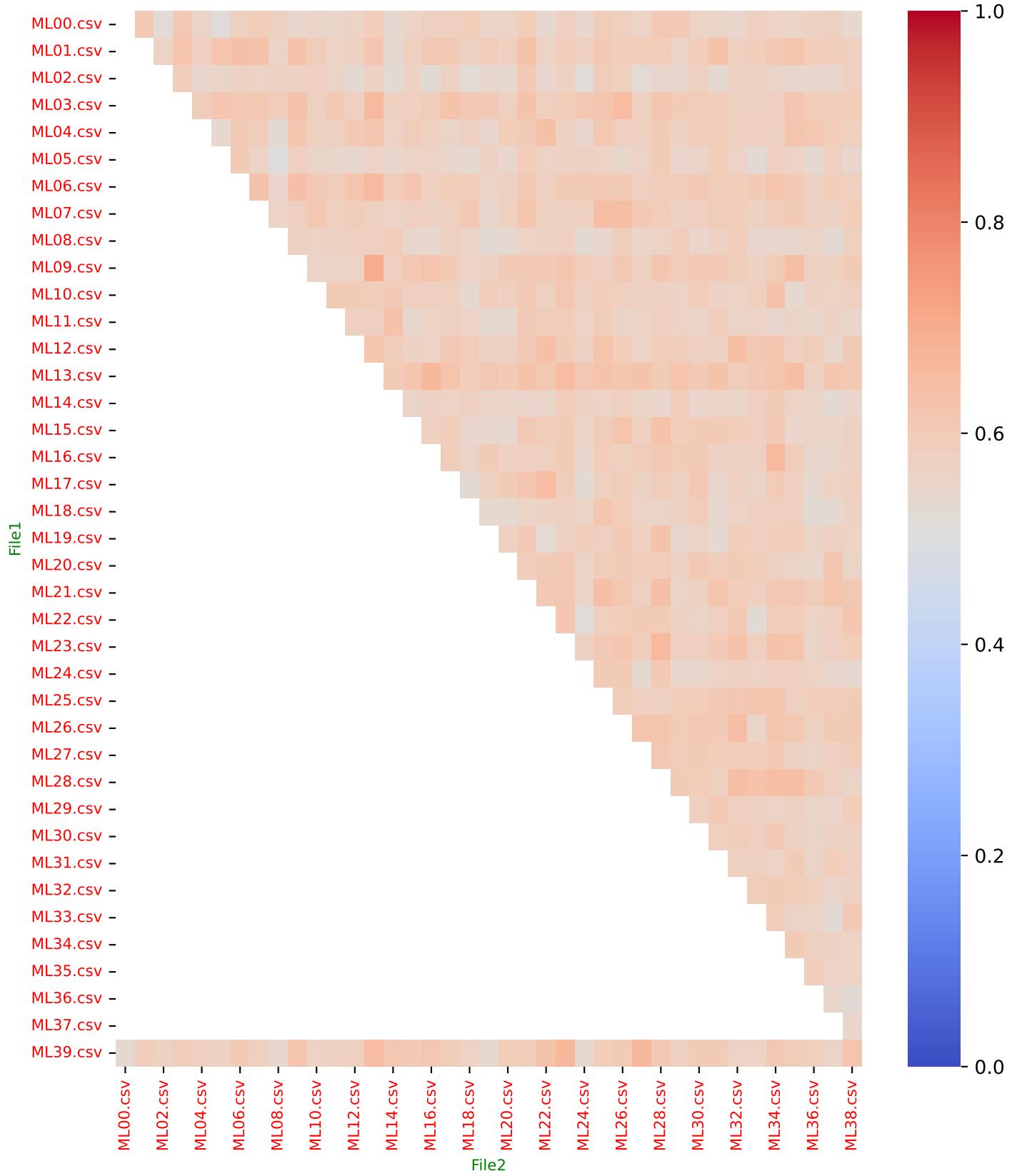
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 156

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

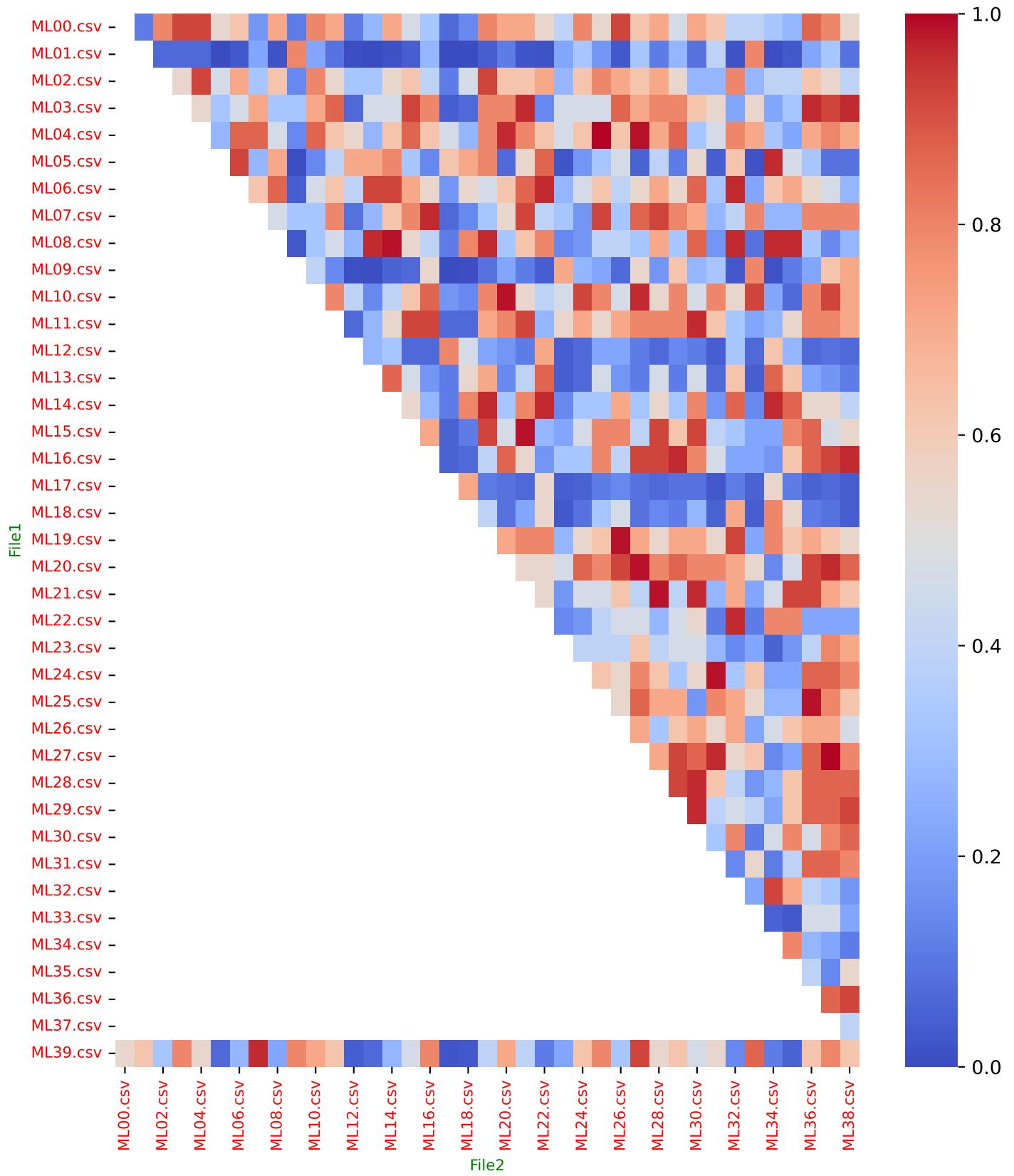


Implementation Number 156

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

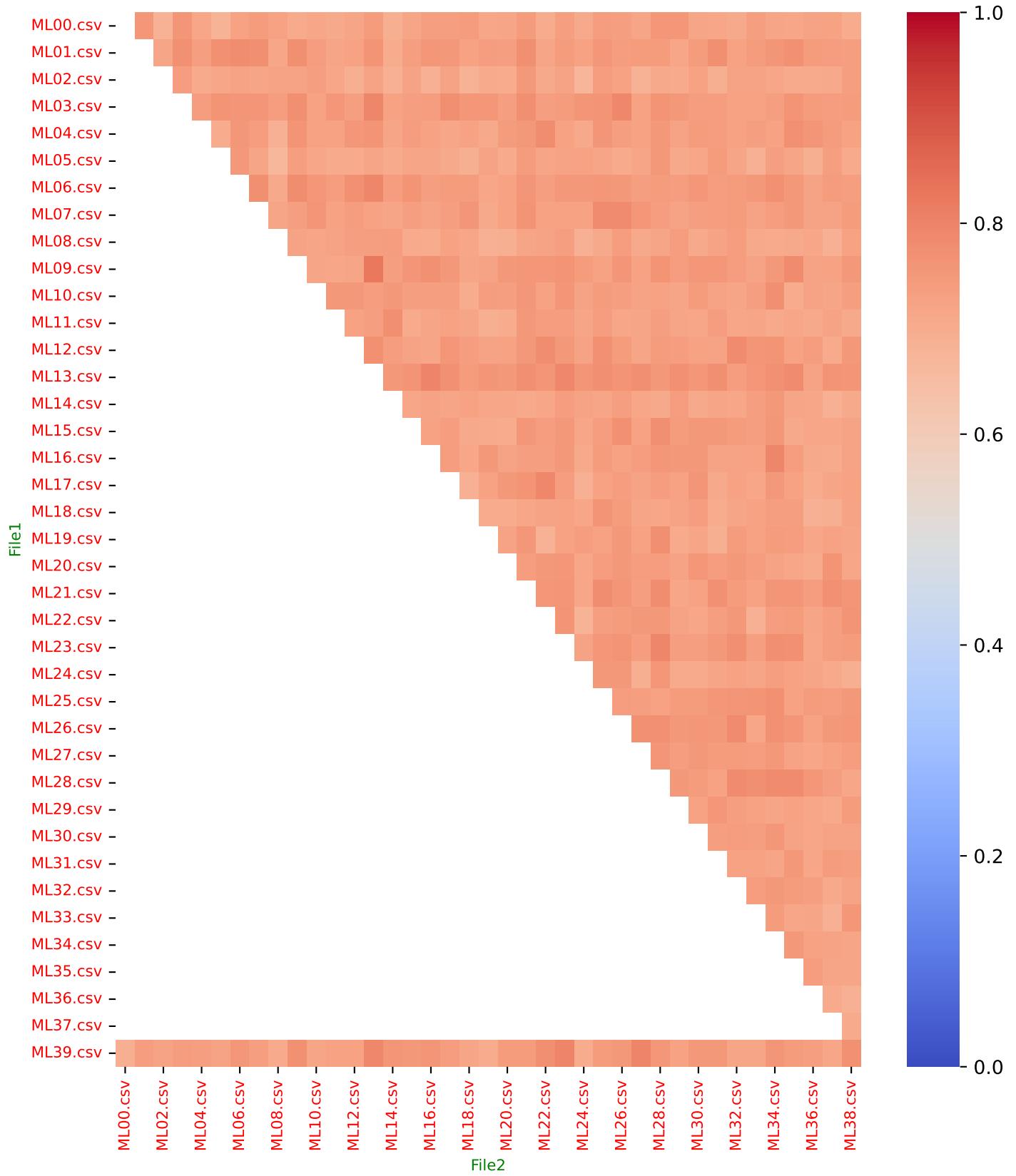


Implementation Number 156

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

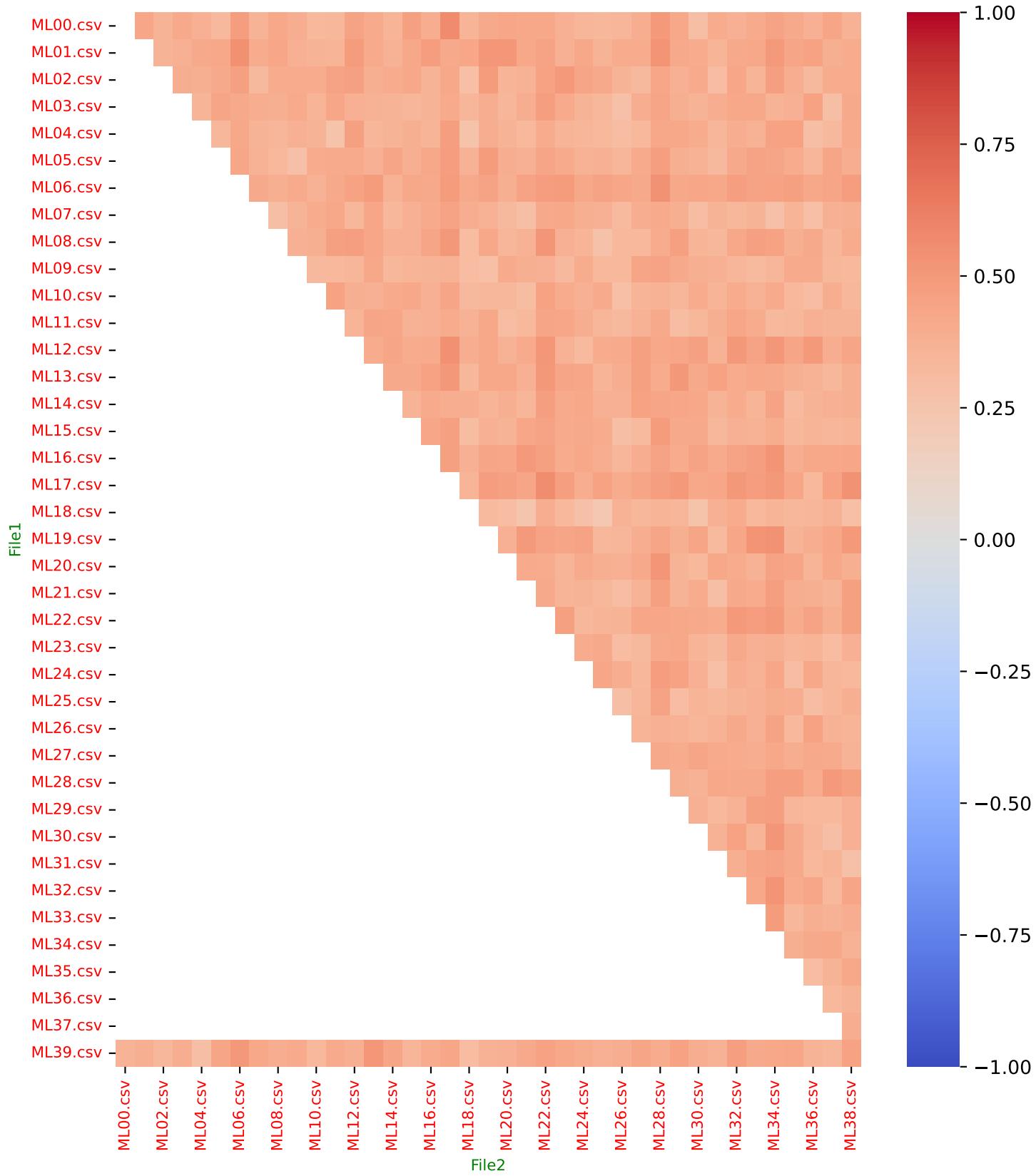


Implementation Number 156

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 157

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 10
Number of Files: 40**

Implementation Number 157

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 157

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 157

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
005.00 %	BAKON_615	00, 13
020.00 %	BAKON_406	00, 01, 02, 03, 08, 11, 16, 17
007.50 %	BAKON_236	00, 19, 20
017.50 %	BAKON_509	00, 19, 21, 24, 27, 30, 34
007.50 %	BAKON_124	00, 04, 26
007.50 %	BAKON_259	00, 18, 38
007.50 %	BAKON_595	00, 03, 17
007.50 %	BAKON_440	00, 12, 35
005.00 %	BAKON_180	00, 01
012.50 %	BAKON_186	00, 12, 17, 23, 30
042.50 %	BAKON_366	01, 02, 05, 06, 11, 17, 21, 22, 26, 27, 29, 30, 31, 34, 35, 36, 39
007.50 %	BAKON_093	01, 19, 25
007.50 %	BAKON_149	01, 14, 17
060.00 %	BAKON_363	01, 02, 03, 04, 05, 06, 08, 10, 11, 12, 15, 20, 21, 23, 24, 25, 26, 28, 29, 31, 34, 36, 37, 38
005.00 %	BAKON_219	01, 07
010.00 %	BAKON_477	01, 11, 13, 35
010.00 %	BAKON_555	01, 09, 14, 19
012.50 %	BAKON_164	01, 02, 06, 09, 11
017.50 %	BAKON_262	02, 15, 20, 22, 25, 31, 37
012.50 %	BAKON_006	02, 06, 10, 15, 36
007.50 %	BAKON_286	02, 15, 32
010.00 %	BAKON_148	02, 05, 18, 27
025.00 %	BAKON_283	02, 08, 22, 23, 26, 27, 32, 33, 36, 37

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Global node Presence Mean (Weighted): 14.25%

Implementation Number 157

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.1111	0.2000	0.0524	1.0000
ML39.csv	ML01.csv	0.0526	0.1000	0.0524	nan
ML39.csv	ML02.csv	0.1111	0.2000	0.0021	-1.0000
ML39.csv	ML03.csv	0.0526	0.1000	0.1678	nan
ML39.csv	ML04.csv	0.0000	0.0000	0.1678	nan
ML39.csv	ML05.csv	0.0000	0.0000	0.1678	nan
ML39.csv	ML06.csv	0.0000	0.0000	0.0524	nan
ML39.csv	ML07.csv	0.0526	0.1000	0.7869	nan
ML39.csv	ML08.csv	0.0000	0.0000	0.0123	nan
ML39.csv	ML09.csv	0.0000	0.0000	0.9945	nan
ML39.csv	ML10.csv	0.0526	0.1000	0.7869	nan
ML39.csv	ML11.csv	0.1111	0.2000	0.7869	-1.0000
ML39.csv	ML12.csv	0.0526	0.1000	0.0123	nan
ML39.csv	ML13.csv	0.0000	0.0000	0.0000	nan
ML39.csv	ML14.csv	0.0000	0.0000	0.9945	nan
ML39.csv	ML15.csv	0.0526	0.1000	0.0524	nan
ML39.csv	ML16.csv	0.1765	0.3000	1.0000	-0.3333
ML39.csv	ML17.csv	0.0526	0.1000	0.0021	nan
ML39.csv	ML18.csv	0.1111	0.2000	0.0123	1.0000
ML39.csv	ML19.csv	0.0526	0.1000	0.1678	nan
ML39.csv	ML20.csv	0.0526	0.1000	0.0123	nan
ML39.csv	ML21.csv	0.0000	0.0000	0.4175	nan
ML39.csv	ML22.csv	0.0526	0.1000	0.0000	nan
ML39.csv	ML23.csv	0.0526	0.1000	0.1678	nan
ML39.csv	ML24.csv	0.0000	0.0000	0.0002	nan
ML39.csv	ML25.csv	0.0526	0.1000	0.7869	nan
ML39.csv	ML26.csv	0.0526	0.1000	0.9945	nan
ML39.csv	ML27.csv	0.0000	0.0000	0.0524	nan
ML39.csv	ML28.csv	0.0000	0.0000	0.0021	nan
ML39.csv	ML29.csv	0.1111	0.2000	0.0123	1.0000
ML39.csv	ML30.csv	0.0000	0.0000	0.9945	nan
ML39.csv	ML31.csv	0.0000	0.0000	0.0123	nan
ML39.csv	ML32.csv	0.0000	0.0000	0.7869	nan
ML39.csv	ML33.csv	0.0526	0.1000	0.7869	nan
ML39.csv	ML34.csv	0.0526	0.1000	0.0021	nan

Implementation Number 157

Parameters: Top_N = 10

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.0000	0.0000	0.0123	nan
ML39.csv	ML36.csv	0.0000	0.0000	0.9945	nan
ML39.csv	ML37.csv	0.0526	0.1000	0.0002	nan
ML39.csv	ML38.csv	0.0000	0.0000	0.9945	nan
ML00.csv	ML01.csv	0.2500	0.4000	0.0021	0.6667
ML00.csv	ML02.csv	0.1111	0.2000	0.0002	-1.0000
ML00.csv	ML03.csv	0.0526	0.1000	0.1678	nan
ML00.csv	ML04.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML05.csv	0.1765	0.3000	0.0123	0.3333
ML00.csv	ML06.csv	0.0526	0.1000	0.4175	nan
ML00.csv	ML07.csv	0.1111	0.2000	0.1678	1.0000
ML00.csv	ML08.csv	0.1111	0.2000	0.4175	1.0000
ML00.csv	ML09.csv	0.0526	0.1000	0.0524	nan
ML00.csv	ML10.csv	0.3333	0.5000	0.0021	0.2000
ML00.csv	ML11.csv	0.0526	0.1000	0.4175	nan

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Global Metrics:

Mean Jaccard Coefficient (J): 0.0673

Fleiss' Kappa Agreement Index (κF): 0.0554

Mean KS Distance Between Pairs (D): 0.6033

Mean p-value for KS Test Pairs: 0.2280

Mean KS Distance for Multiple Samples (D_{mult}): 0.4419

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1563

Mean Kendall Tau ($\bar{\tau}$): 0.3538

Median Kendall Tau ($\tilde{\tau}$): 1.0000

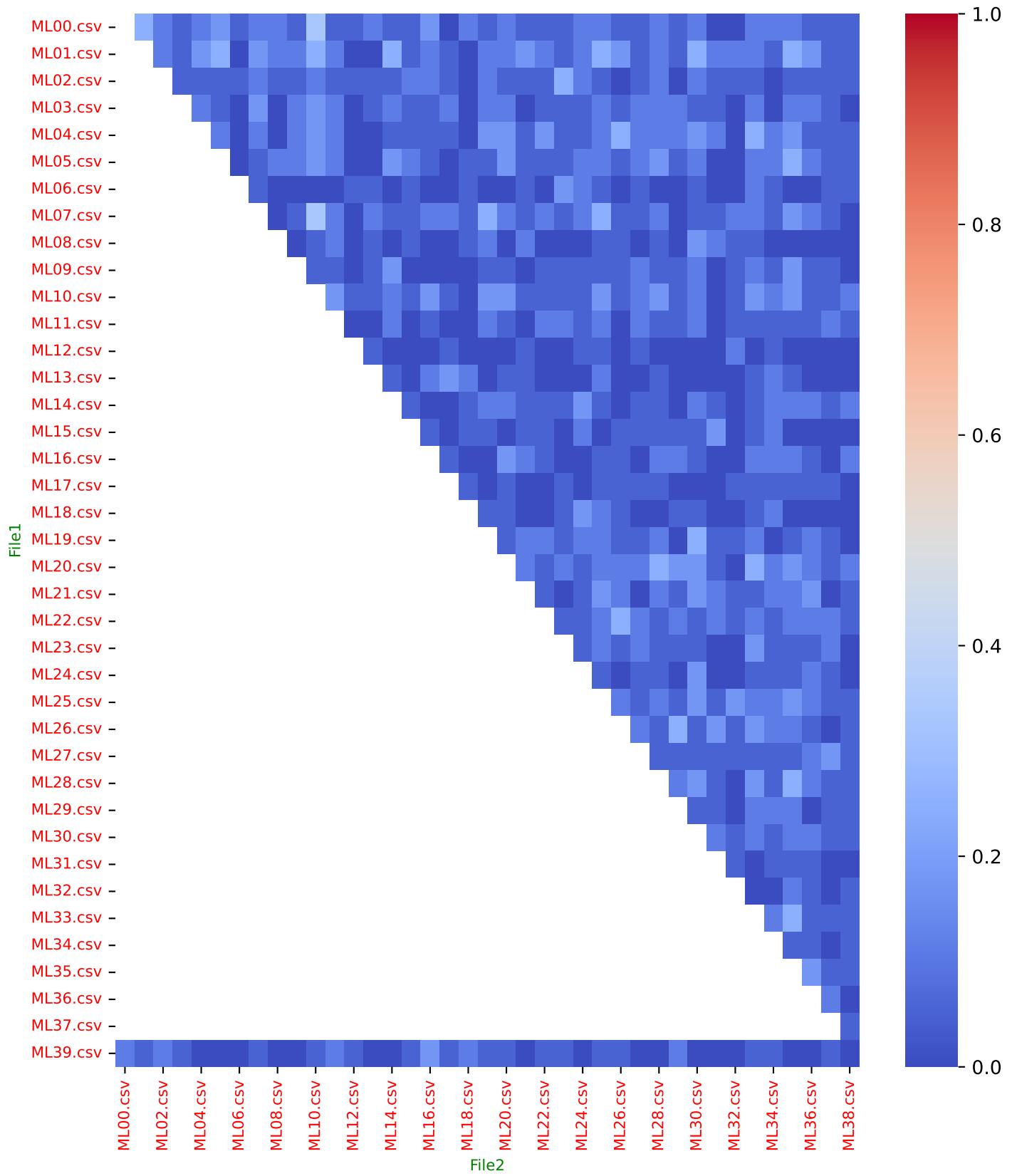
Percentage of Pairs with $\tau > 0$: 22.95%

Implementation Number 157

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

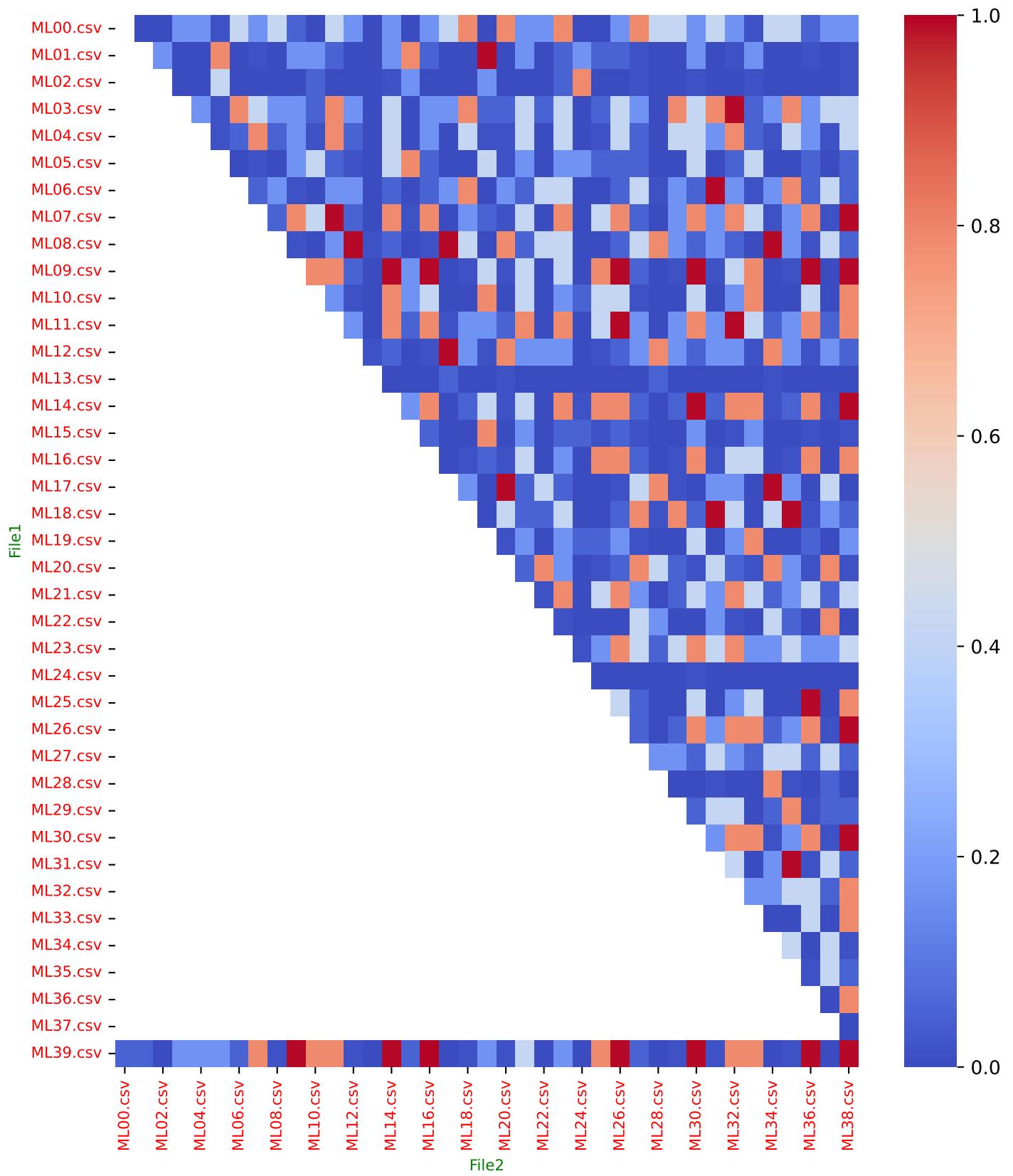


Implementation Number 157

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

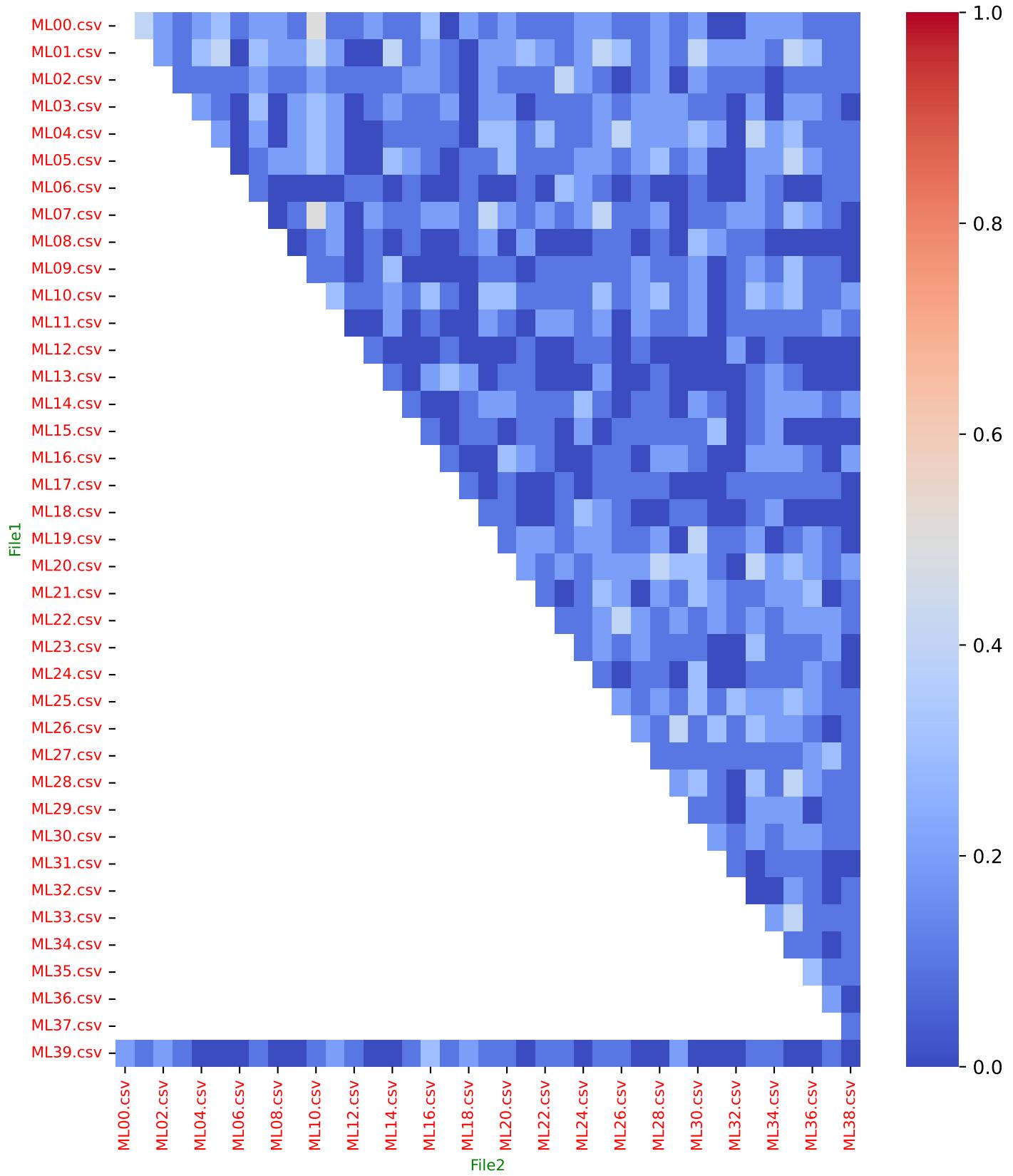


Implementation Number 157

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

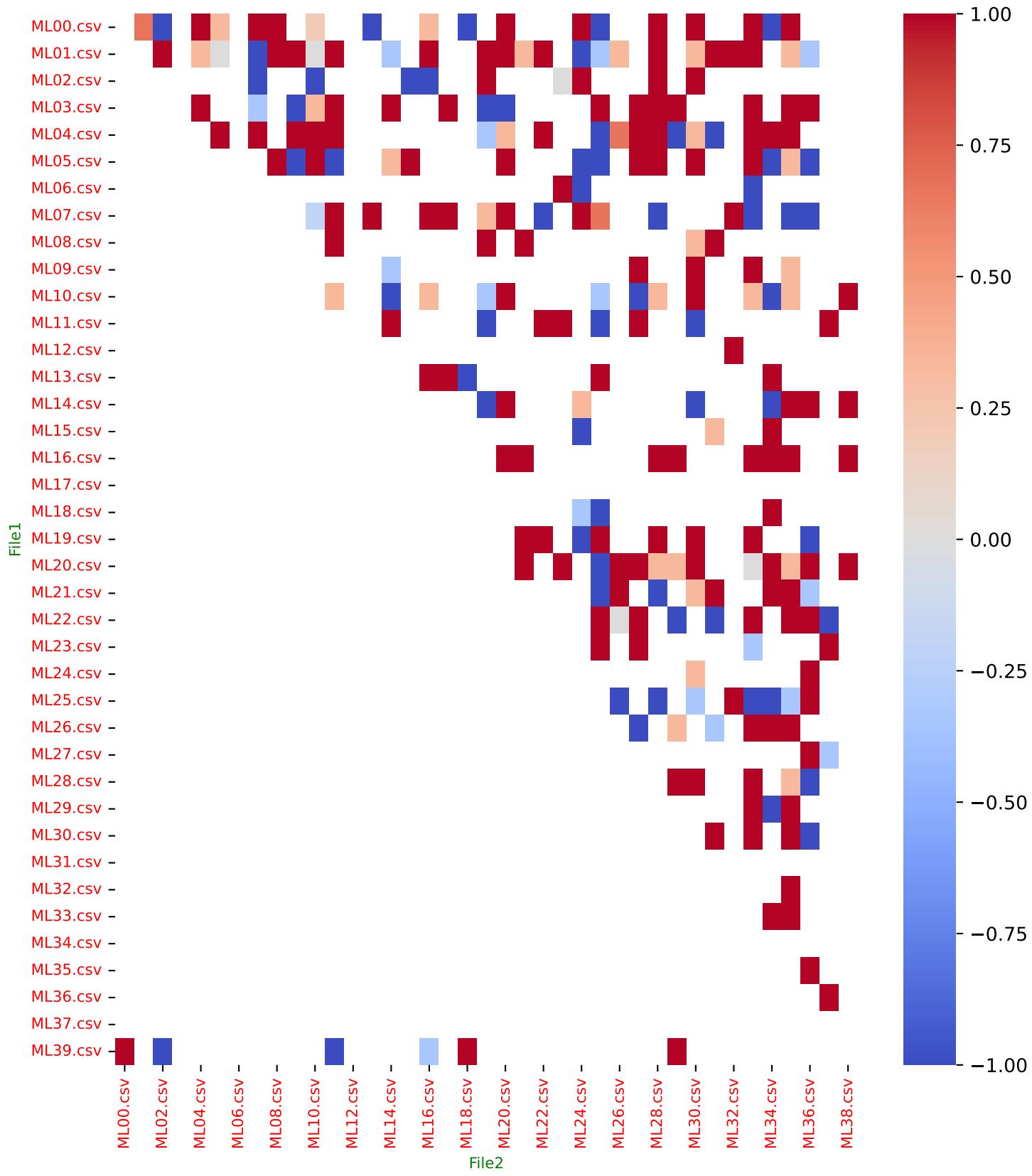


Implementation Number 157

Parameters: Top_N = 10
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 158

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 20
Number of Files: 40**

Implementation Number 158

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 158

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 158

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
007.50 %	BAKON_615	00, 13, 22
035.00 %	BAKON_406	00, 01, 02, 03, 06, 07, 08, 10, 11, 12, 16, 17, 18, 27
010.00 %	BAKON_236	00, 08, 19, 20
030.00 %	BAKON_509	00, 07, 08, 13, 18, 19, 21, 24, 27, 30, 32, 34
025.00 %	BAKON_124	00, 02, 04, 08, 16, 17, 22, 26, 27, 29
022.50 %	BAKON_259	00, 07, 09, 18, 23, 24, 26, 27, 38
010.00 %	BAKON_595	00, 03, 06, 17
022.50 %	BAKON_440	00, 03, 12, 15, 20, 28, 35, 38, 39
025.00 %	BAKON_180	00, 01, 03, 04, 05, 17, 23, 26, 28, 37
020.00 %	BAKON_186	00, 06, 12, 17, 23, 25, 26, 30
067.50 %	BAKON_366	00, 01, 02, 05, 06, 10, 11, 15, 17, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 38, 39
030.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 10, 15, 19, 20, 36, 39
017.50 %	BAKON_137	00, 04, 07, 13, 28, 33, 39
015.00 %	BAKON_606	00, 09, 11, 18, 24, 32
037.50 %	BAKON_396	00, 04, 08, 11, 14, 16, 17, 18, 21, 24, 25, 29, 30, 34, 36
045.00 %	BAKON_376	00, 02, 05, 07, 11, 16, 17, 21, 23, 26, 27, 28, 30, 32, 34, 35, 37, 38
010.00 %	BAKON_143	00, 17, 18, 33
020.00 %	BAKON_210	00, 07, 14, 21, 25, 29, 30, 31
025.00 %	BAKON_026	00, 02, 06, 07, 10, 14, 24, 32, 34, 35
012.50 %	BAKON_100	00, 16, 24, 33, 36
010.00 %	BAKON_093	01, 19, 21, 25

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Global node Presence Mean (Weighted): 21.41%

Implementation Number 158

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.0811	0.1500	0.0335	-0.3333
ML39.csv	ML01.csv	0.1765	0.3000	0.3356	0.2000
ML39.csv	ML02.csv	0.1429	0.2500	0.0335	0.2000
ML39.csv	ML03.csv	0.1111	0.2000	0.3356	-0.3333
ML39.csv	ML04.csv	0.1111	0.2000	0.5713	0.0000
ML39.csv	ML05.csv	0.1765	0.3000	0.5713	-0.3333
ML39.csv	ML06.csv	0.2121	0.3500	0.0811	-0.4286
ML39.csv	ML07.csv	0.1765	0.3000	0.8320	-0.0667
ML39.csv	ML08.csv	0.0526	0.1000	0.0123	1.0000
ML39.csv	ML09.csv	0.1111	0.2000	0.9831	0.0000
ML39.csv	ML10.csv	0.1429	0.2500	0.1745	0.6000
ML39.csv	ML11.csv	0.0811	0.1500	0.5713	-1.0000
ML39.csv	ML12.csv	0.0811	0.1500	0.0040	0.3333
ML39.csv	ML13.csv	0.0811	0.1500	0.0000	0.3333
ML39.csv	ML14.csv	0.0811	0.1500	0.8320	-0.3333
ML39.csv	ML15.csv	0.1429	0.2500	0.1745	-0.2000
ML39.csv	ML16.csv	0.2903	0.4500	0.5713	-0.0556
ML39.csv	ML17.csv	0.1765	0.3000	0.0123	-0.4667
ML39.csv	ML18.csv	0.0811	0.1500	0.1745	1.0000
ML39.csv	ML19.csv	0.1111	0.2000	0.3356	0.6667
ML39.csv	ML20.csv	0.1429	0.2500	0.0040	0.0000
ML39.csv	ML21.csv	0.0811	0.1500	0.5713	-0.3333
ML39.csv	ML22.csv	0.1429	0.2500	0.0040	-0.2000
ML39.csv	ML23.csv	0.2121	0.3500	0.1745	-0.0476
ML39.csv	ML24.csv	0.1111	0.2000	0.0003	-0.3333
ML39.csv	ML25.csv	0.1765	0.3000	0.8320	0.2000
ML39.csv	ML26.csv	0.1765	0.3000	0.8320	-0.3333
ML39.csv	ML27.csv	0.1111	0.2000	0.0335	-0.6667
ML39.csv	ML28.csv	0.1111	0.2000	0.0011	0.0000
ML39.csv	ML29.csv	0.1765	0.3000	0.1745	0.0667
ML39.csv	ML30.csv	0.0526	0.1000	0.5713	1.0000
ML39.csv	ML31.csv	0.1429	0.2500	0.1745	0.2000
ML39.csv	ML32.csv	0.1111	0.2000	0.5713	-0.3333
ML39.csv	ML33.csv	0.1429	0.2500	0.8320	0.6000
ML39.csv	ML34.csv	0.1111	0.2000	0.0011	0.6667

Implementation Number 158

Parameters: Top_N = 20

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.1111	0.2000	0.1745	0.3333
ML39.csv	ML36.csv	0.0526	0.1000	1.0000	1.0000
ML39.csv	ML37.csv	0.1111	0.2000	0.0335	0.3333
ML39.csv	ML38.csv	0.1111	0.2000	0.9831	-0.3333
ML00.csv	ML01.csv	0.1111	0.2000	0.0003	0.6667
ML00.csv	ML02.csv	0.1111	0.2000	0.0000	0.3333
ML00.csv	ML03.csv	0.1765	0.3000	0.0335	0.0667
ML00.csv	ML04.csv	0.2121	0.3500	0.3356	0.2381
ML00.csv	ML05.csv	0.1429	0.2500	0.0123	0.6000
ML00.csv	ML06.csv	0.1111	0.2000	0.8320	-0.3333
ML00.csv	ML07.csv	0.1111	0.2000	0.0040	0.3333
ML00.csv	ML08.csv	0.0811	0.1500	0.0123	1.0000
ML00.csv	ML09.csv	0.1429	0.2500	0.0123	0.0000
ML00.csv	ML10.csv	0.2500	0.4000	0.0000	0.3571
ML00.csv	ML11.csv	0.1111	0.2000	0.5713	-0.3333

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1094

Fleiss' Kappa Agreement Index (κ_F): 0.1023

Mean KS Distance Between Pairs (D): 0.4670

Mean p-value for KS Test Pairs: 0.1983

Mean KS Distance for Multiple Samples (D_{mult}): 0.3268

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1766

Mean Kendall Tau ($\bar{\tau}$): 0.1344

Median Kendall Tau ($\tilde{\tau}$): 0.2000

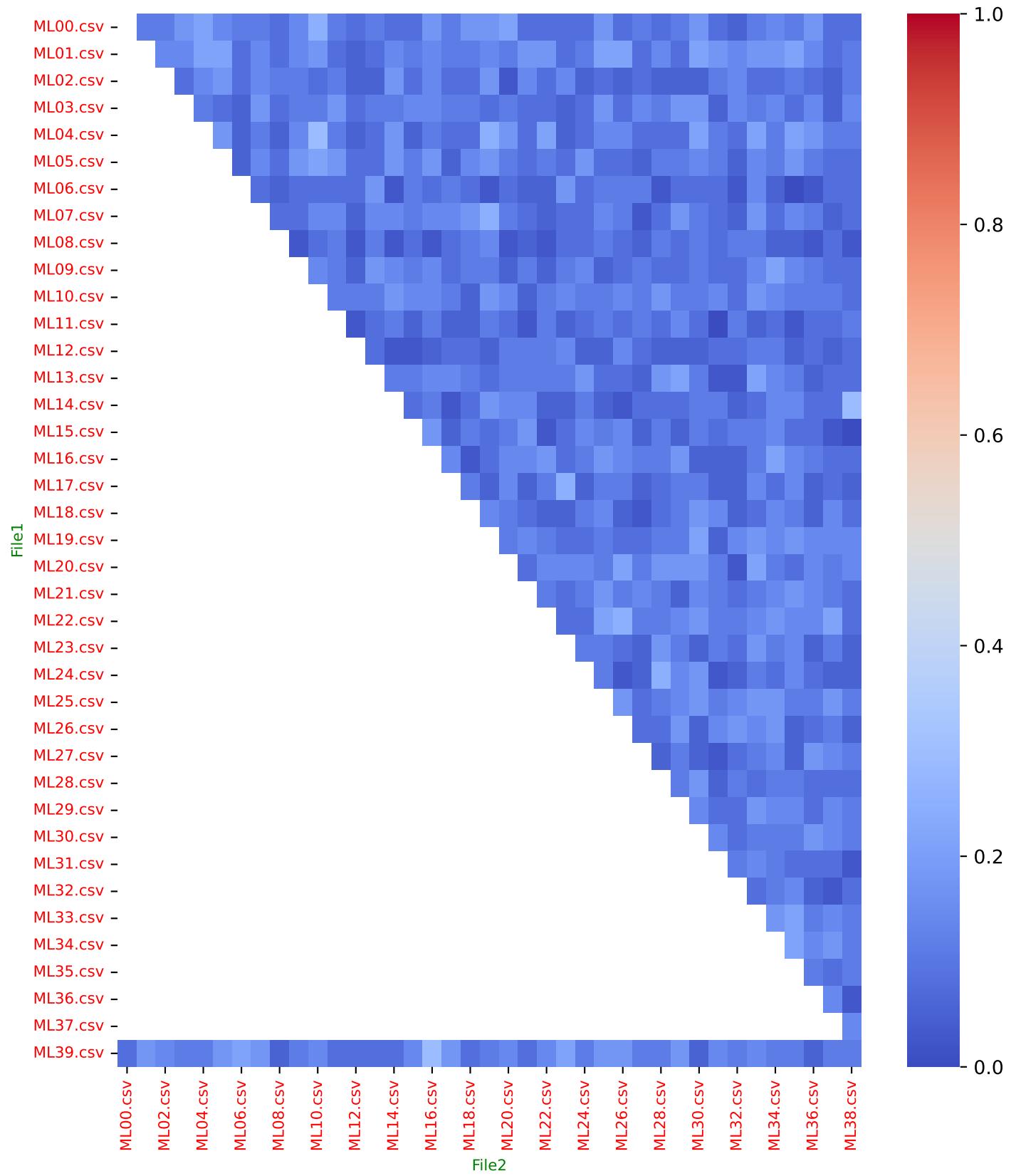
Percentage of Pairs with $\tau > 0$: 51.79%

Implementation Number 158

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

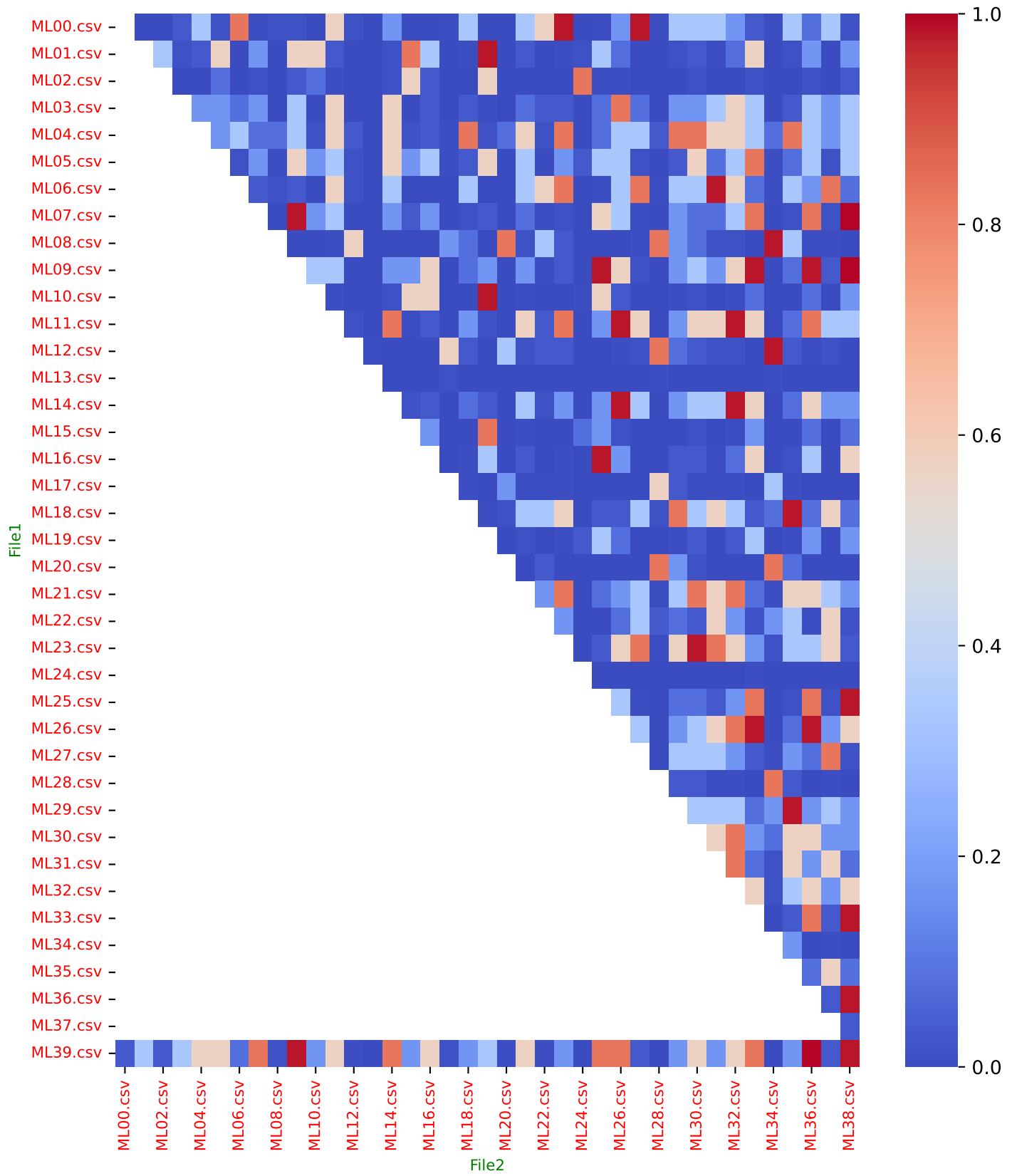


Implementation Number 158

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

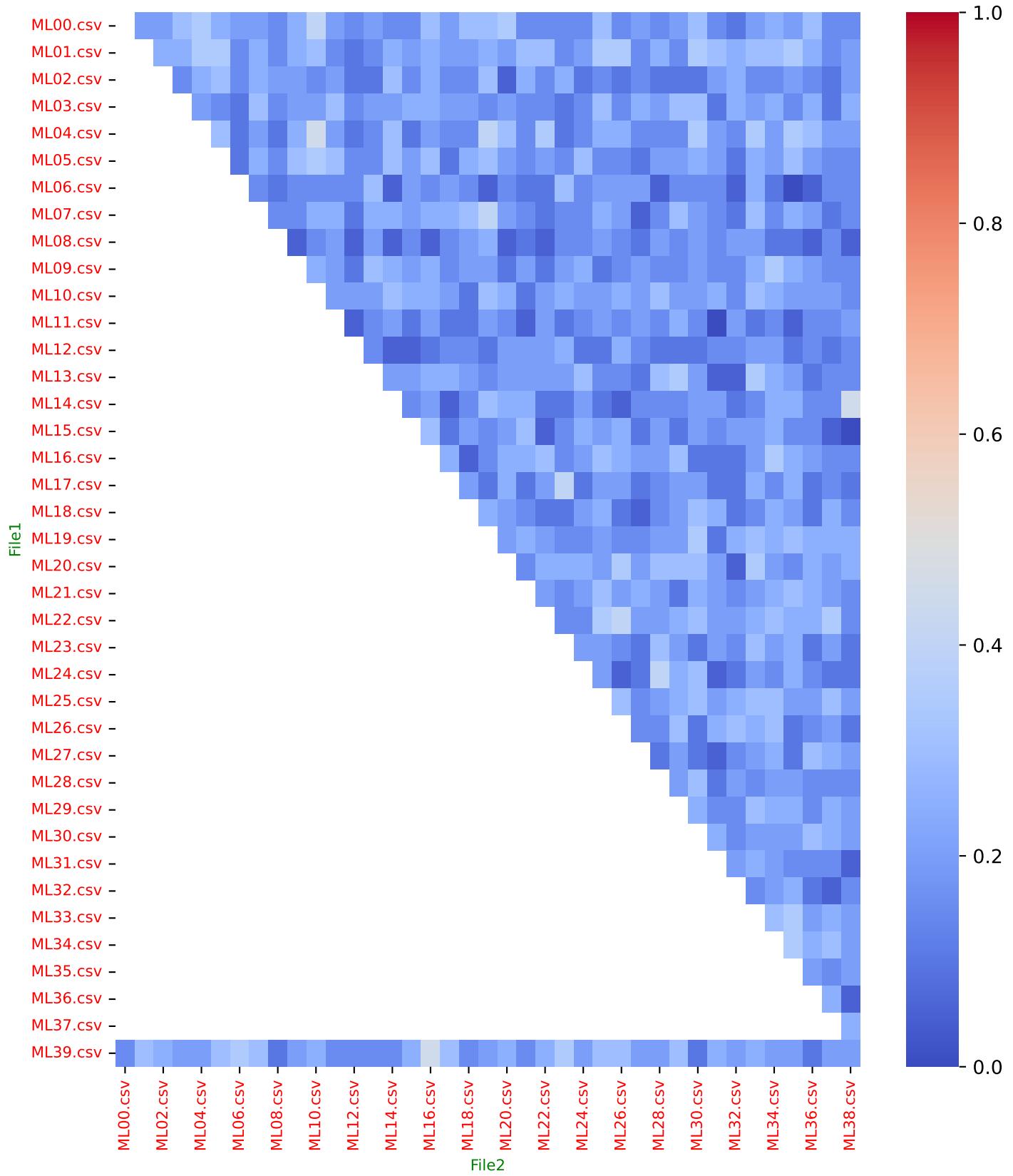


Implementation Number 158

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

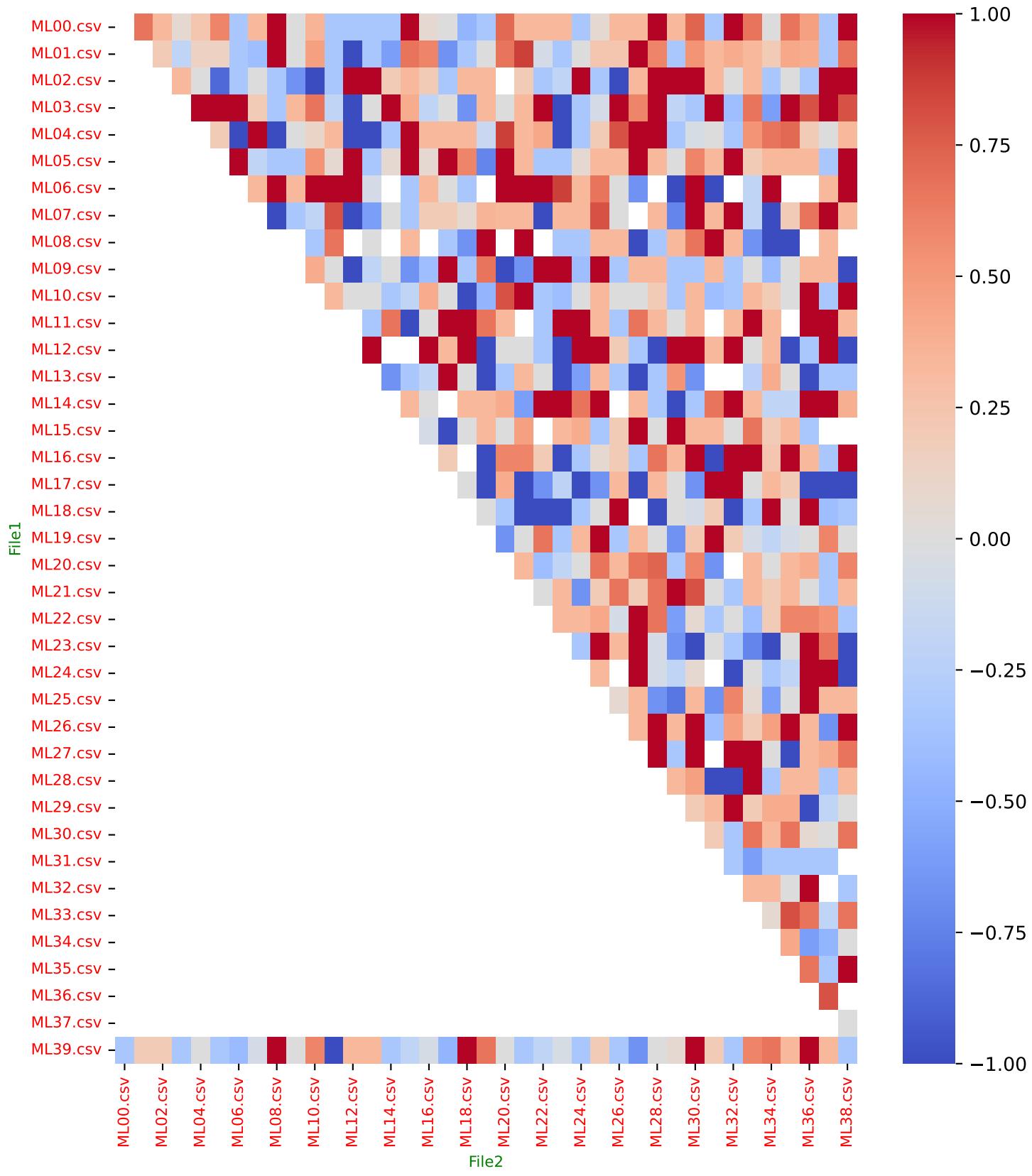


Implementation Number 158

Parameters: Top_N = 20
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 159

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 30
Number of Files: 40**

Implementation Number 159

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 159

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 159

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
015.00 %	BAKON_615	00, 01, 13, 22, 30, 32
045.00 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 10, 11, 12, 15, 16, 17, 18, 27, 35, 38
010.00 %	BAKON_236	00, 08, 19, 20
040.00 %	BAKON_509	00, 01, 07, 08, 13, 18, 19, 21, 23, 24, 27, 29, 30, 31, 32, 34
032.50 %	BAKON_124	00, 02, 04, 08, 16, 17, 22, 24, 25, 26, 27, 29, 32
022.50 %	BAKON_259	00, 07, 09, 18, 23, 24, 26, 27, 38
010.00 %	BAKON_595	00, 03, 06, 17
032.50 %	BAKON_440	00, 01, 03, 04, 10, 11, 12, 15, 20, 28, 35, 38, 39
025.00 %	BAKON_180	00, 01, 03, 04, 05, 17, 23, 26, 28, 37
027.50 %	BAKON_186	00, 06, 12, 14, 17, 19, 23, 25, 26, 27, 30
070.00 %	BAKON_366	00, 01, 02, 05, 06, 10, 11, 15, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 38, 39
035.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 09, 10, 15, 19, 20, 35, 36, 39
022.50 %	BAKON_137	00, 04, 07, 13, 18, 20, 28, 33, 39
027.50 %	BAKON_606	00, 09, 11, 18, 19, 21, 24, 29, 31, 32, 34
045.00 %	BAKON_396	00, 02, 04, 08, 10, 11, 14, 16, 17, 18, 21, 24, 25, 28, 29, 30, 34, 36
055.00 %	BAKON_376	00, 01, 02, 05, 07, 11, 15, 16, 17, 21, 23, 26, 27, 28, 30, 32, 33, 34, 35, 36, 37, 38
015.00 %	BAKON_143	00, 14, 17, 18, 30, 33
042.50 %	BAKON_210	00, 05, 07, 08, 09, 14, 16, 21, 24, 25, 29, 30, 31, 34, 35, 37, 38
037.50 %	BAKON_026	00, 02, 06, 07, 08, 10, 14, 15, 16, 22, 24, 32, 34, 35, 38

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Global node Presence Mean (Weighted): 26.33%

Implementation Number 159

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.1538	0.2667	0.1350	-0.2857
ML39.csv	ML01.csv	0.2000	0.3333	0.0156	0.2000
ML39.csv	ML02.csv	0.1321	0.2333	0.0025	0.3333
ML39.csv	ML03.csv	0.1321	0.2333	0.1350	-0.5238
ML39.csv	ML04.csv	0.1111	0.2000	0.8080	0.0667
ML39.csv	ML05.csv	0.1321	0.2333	0.8080	-0.4286
ML39.csv	ML06.csv	0.1538	0.2667	0.2391	-0.0714
ML39.csv	ML07.csv	0.2245	0.3667	0.0156	0.0545
ML39.csv	ML08.csv	0.1321	0.2333	0.0709	0.3333
ML39.csv	ML09.csv	0.1538	0.2667	0.2391	-0.1429
ML39.csv	ML10.csv	0.1321	0.2333	0.0025	-0.0476
ML39.csv	ML11.csv	0.0909	0.1667	0.0709	-0.8000
ML39.csv	ML12.csv	0.0714	0.1333	0.0346	0.6667
ML39.csv	ML13.csv	0.1321	0.2333	0.0000	0.0476
ML39.csv	ML14.csv	0.1538	0.2667	0.0156	-0.0714
ML39.csv	ML15.csv	0.1765	0.3000	0.0009	0.0000
ML39.csv	ML16.csv	0.2000	0.3333	0.1350	0.1111
ML39.csv	ML17.csv	0.1765	0.3000	0.0156	-0.0556
ML39.csv	ML18.csv	0.1111	0.2000	0.3929	0.4667
ML39.csv	ML19.csv	0.1111	0.2000	0.0156	0.3333
ML39.csv	ML20.csv	0.1538	0.2667	0.0346	0.0000
ML39.csv	ML21.csv	0.1538	0.2667	0.8080	0.0000
ML39.csv	ML22.csv	0.1765	0.3000	0.0346	-0.6111
ML39.csv	ML23.csv	0.2500	0.4000	0.3929	0.0303
ML39.csv	ML24.csv	0.1538	0.2667	0.0065	-0.6429
ML39.csv	ML25.csv	0.2000	0.3333	0.0156	0.0222
ML39.csv	ML26.csv	0.1765	0.3000	0.2391	-0.1111
ML39.csv	ML27.csv	0.1538	0.2667	0.0346	-0.2857
ML39.csv	ML28.csv	0.1538	0.2667	0.0156	-0.1429
ML39.csv	ML29.csv	0.1765	0.3000	0.3929	0.0556
ML39.csv	ML30.csv	0.1321	0.2333	0.8080	-0.0476
ML39.csv	ML31.csv	0.2245	0.3667	0.3929	0.1273
ML39.csv	ML32.csv	0.1538	0.2667	0.1350	-0.5000
ML39.csv	ML33.csv	0.2000	0.3333	0.0156	0.2000
ML39.csv	ML34.csv	0.2000	0.3333	0.0156	0.2444

Implementation Number 159

Parameters: Top_N = 30

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.1538	0.2667	0.3929	0.2857
ML39.csv	ML36.csv	0.0909	0.1667	0.3929	-0.4000
ML39.csv	ML37.csv	0.1765	0.3000	0.1350	0.0556
ML39.csv	ML38.csv	0.0909	0.1667	0.1350	-0.4000
ML00.csv	ML01.csv	0.1321	0.2333	0.0025	0.4286
ML00.csv	ML02.csv	0.1111	0.2000	0.0000	0.6000
ML00.csv	ML03.csv	0.1765	0.3000	0.1350	0.2778
ML00.csv	ML04.csv	0.2245	0.3667	0.5941	0.4545
ML00.csv	ML05.csv	0.1321	0.2333	0.0709	0.7143
ML00.csv	ML06.csv	0.1538	0.2667	0.8080	-0.2143
ML00.csv	ML07.csv	0.1111	0.2000	0.0346	0.7333
ML00.csv	ML08.csv	0.0714	0.1333	0.0709	1.0000
ML00.csv	ML09.csv	0.1765	0.3000	0.0709	0.6667
ML00.csv	ML10.csv	0.3043	0.4667	0.0001	0.3846
ML00.csv	ML11.csv	0.1321	0.2333	0.2391	0.4286

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1411

Fleiss' Kappa Agreement Index (κ_F): 0.1282

Mean KS Distance Between Pairs (D): 0.3990

Mean p-value for KS Test Pairs: 0.1791

Mean KS Distance for Multiple Samples (D_{mult}): 0.2786

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1638

Mean Kendall Tau ($\bar{\tau}$): 0.1263

Median Kendall Tau ($\tilde{\tau}$): 0.1429

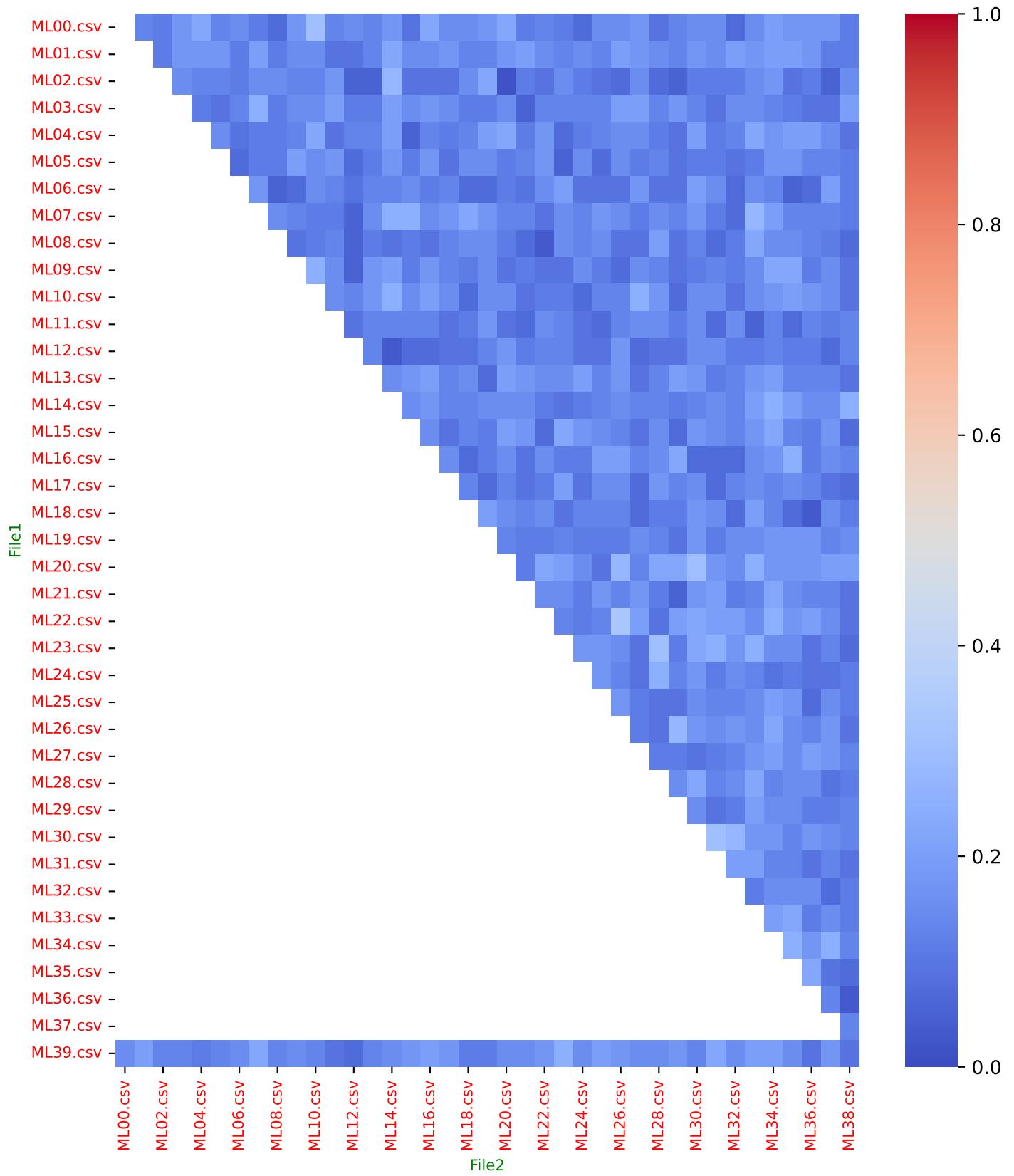
Percentage of Pairs with $\tau > 0$: 60.90%

Implementation Number 159

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

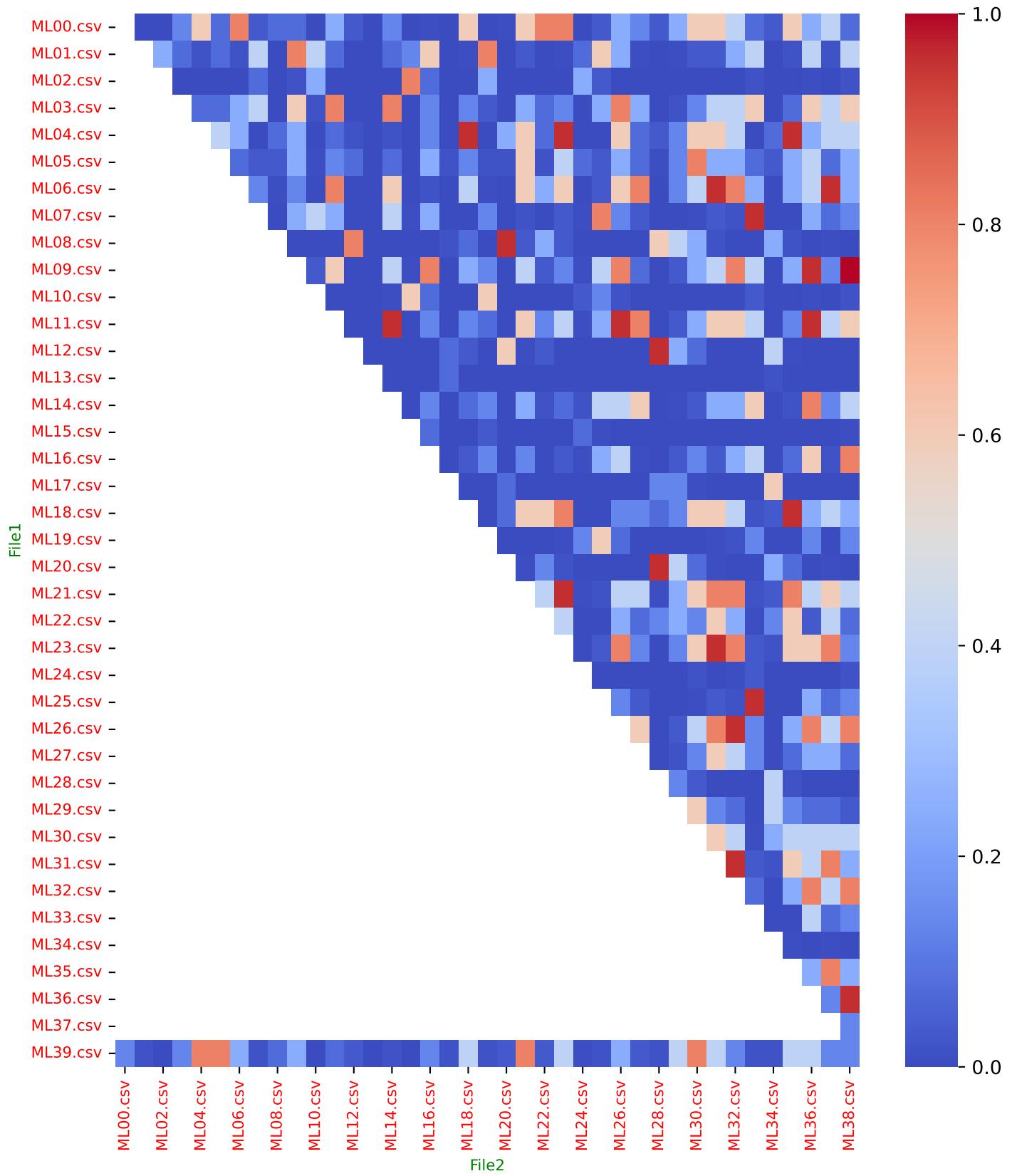


Implementation Number 159

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

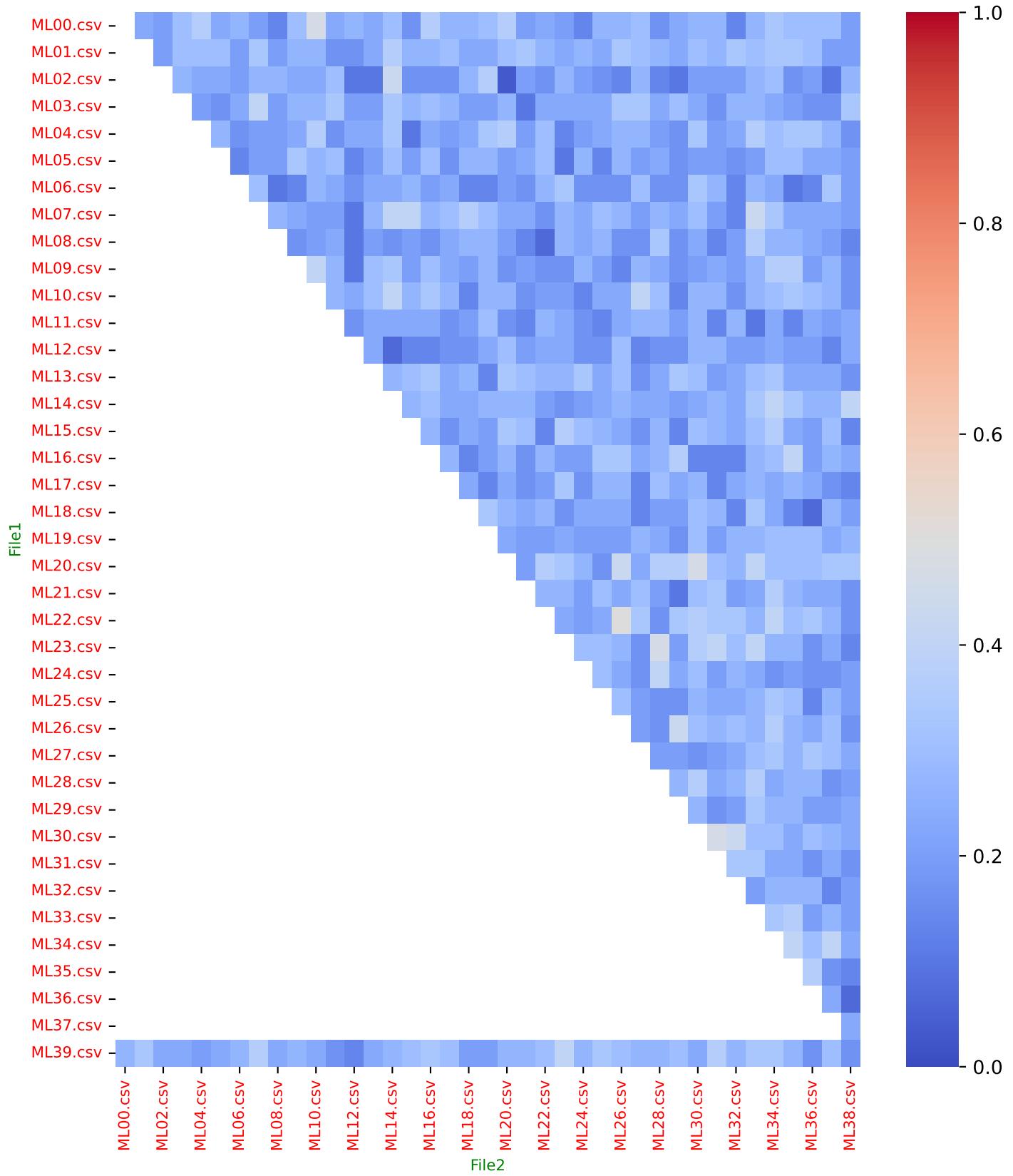


Implementation Number 159

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

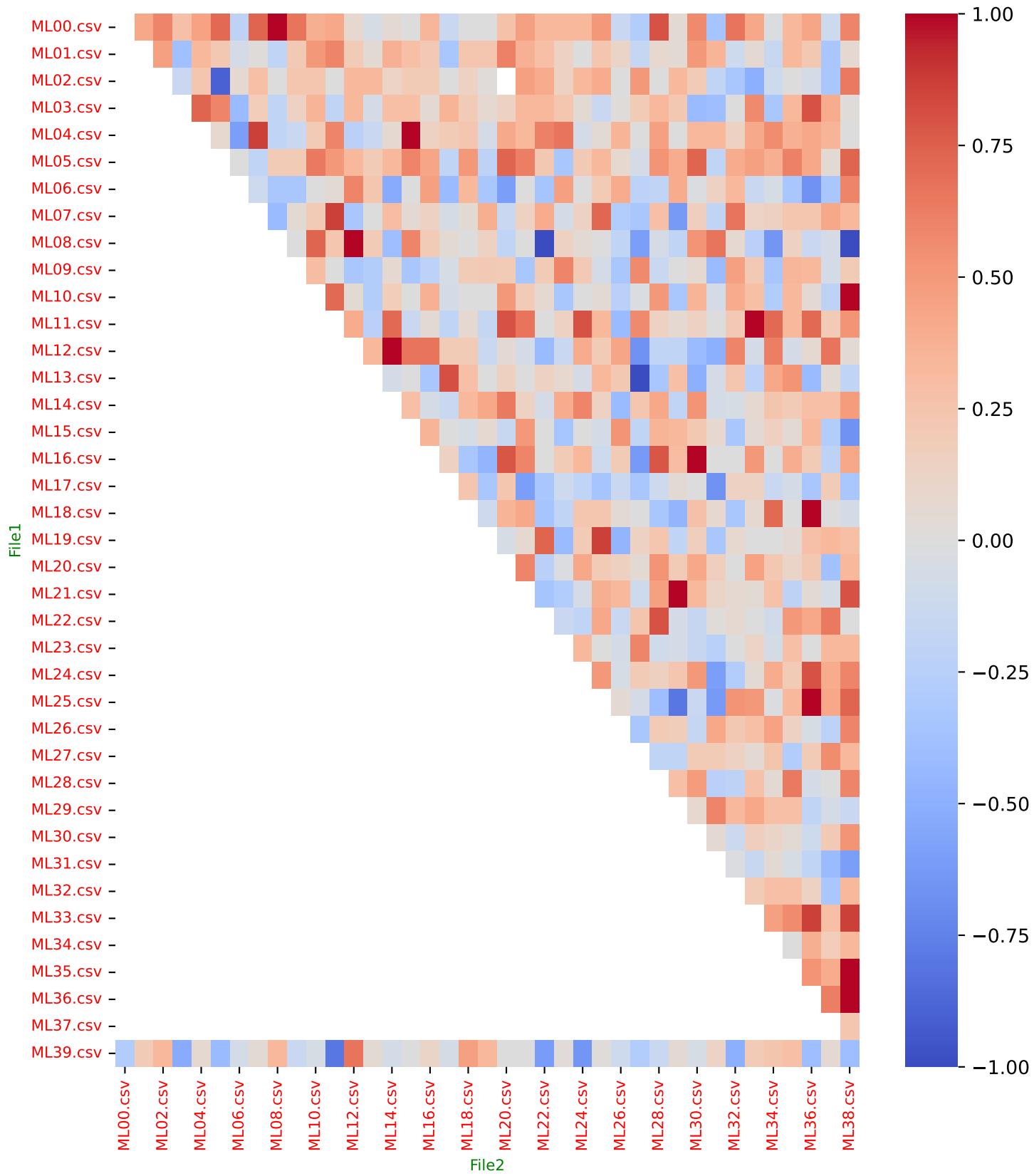


Implementation Number 159

Parameters: Top_N = 30
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 160

Similarity, Correlation and Distribution Tests

Mode: Machine Learning
Metric: Bridging centrality

Top Nodes: 50
Number of Files: 40

Implementation Number 160

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 160

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 160

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
017.50 %	BAKON_615	00, 01, 13, 22, 30, 32, 39
057.50 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 10, 11, 12, 15, 16, 17, 18, 19, 22, 23, 24, 27, 35, 36, 38
017.50 %	BAKON_236	00, 08, 11, 19, 20, 21, 27
050.00 %	BAKON_509	00, 01, 03, 07, 08, 12, 13, 18, 19, 21, 23, 24, 27, 29, 30, 31, 32, 33, 34, 36
055.00 %	BAKON_124	00, 02, 04, 06, 08, 14, 16, 17, 19, 22, 24, 25, 26, 27, 28, 29, 30, 32, 33, 35, 38, 39
037.50 %	BAKON_259	00, 07, 08, 09, 14, 16, 18, 23, 24, 26, 27, 29, 30, 31, 38
010.00 %	BAKON_595	00, 03, 06, 17
045.00 %	BAKON_440	00, 01, 02, 03, 04, 06, 10, 11, 12, 14, 15, 18, 20, 28, 35, 37, 38, 39
027.50 %	BAKON_180	00, 01, 03, 04, 05, 17, 23, 26, 28, 33, 37
040.00 %	BAKON_186	00, 04, 06, 08, 12, 14, 15, 17, 19, 21, 23, 25, 26, 27, 30, 34
080.00 %	BAKON_366	00, 01, 02, 03, 05, 06, 10, 11, 13, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
045.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 09, 10, 13, 15, 19, 20, 30, 34, 35, 36, 37, 39
032.50 %	BAKON_137	00, 04, 07, 12, 13, 18, 20, 24, 28, 32, 33, 38, 39
040.00 %	BAKON_606	00, 09, 11, 17, 18, 19, 21, 24, 25, 29, 30, 31, 32, 33, 34, 39
062.50 %	BAKON_396	00, 01, 02, 04, 06, 07, 08, 10, 11, 14, 15, 16, 17, 18, 21, 24, 25, 26, 28, 29, 30, 31, 33, 34, 36
057.50 %	BAKON_376	00, 01, 02, 05, 07, 11, 13, 15, 16, 17, 21, 23, 26, 27, 28, 30, 32, 33, 34, 35, 36, 37, 38
025.00 %	BAKON_143	00, 02, 04, 07, 14, 17, 18, 28, 30, 33

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Global node Presence Mean (Weighted): 33.91%

Implementation Number 160

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.1236	0.2200	0.3959	0.0909
ML39.csv	ML01.csv	0.2048	0.3400	0.0000	0.3088
ML39.csv	ML02.csv	0.2195	0.3600	0.0013	0.0980
ML39.csv	ML03.csv	0.1765	0.3000	0.0217	0.2190
ML39.csv	ML04.csv	0.1494	0.2600	0.1786	0.3590
ML39.csv	ML05.csv	0.2195	0.3600	0.9667	0.1503
ML39.csv	ML06.csv	0.2195	0.3600	0.2719	0.0065
ML39.csv	ML07.csv	0.2195	0.3600	0.0000	0.1503
ML39.csv	ML08.csv	0.1494	0.2600	0.2719	0.5128
ML39.csv	ML09.csv	0.1905	0.3200	0.0217	0.1500
ML39.csv	ML10.csv	0.1628	0.2800	0.0002	0.0330
ML39.csv	ML11.csv	0.0989	0.1800	0.0002	-0.0556
ML39.csv	ML12.csv	0.1236	0.2200	0.0217	0.0909
ML39.csv	ML13.csv	0.2346	0.3800	0.0000	-0.1696
ML39.csv	ML14.csv	0.1905	0.3200	0.0058	-0.0333
ML39.csv	ML15.csv	0.2195	0.3600	0.0000	-0.0327
ML39.csv	ML16.csv	0.2658	0.4200	0.0392	0.5333
ML39.csv	ML17.csv	0.2048	0.3400	0.1124	0.1765
ML39.csv	ML18.csv	0.1905	0.3200	0.7166	-0.0833
ML39.csv	ML19.csv	0.1628	0.2800	0.0006	0.1648
ML39.csv	ML20.csv	0.1905	0.3200	0.1786	0.2167
ML39.csv	ML21.csv	0.1765	0.3000	0.1124	0.3143
ML39.csv	ML22.csv	0.1905	0.3200	0.1786	-0.2167
ML39.csv	ML23.csv	0.2195	0.3600	0.0217	-0.0065
ML39.csv	ML24.csv	0.1765	0.3000	0.0013	-0.1619
ML39.csv	ML25.csv	0.2500	0.4000	0.0217	0.0737
ML39.csv	ML26.csv	0.1765	0.3000	0.1786	-0.1619
ML39.csv	ML27.csv	0.2346	0.3800	0.0392	0.3099
ML39.csv	ML28.csv	0.1765	0.3000	0.1124	0.2762
ML39.csv	ML29.csv	0.2048	0.3400	0.7166	0.0294
ML39.csv	ML30.csv	0.1905	0.3200	0.9667	-0.2667
ML39.csv	ML31.csv	0.2048	0.3400	0.3959	0.3235
ML39.csv	ML32.csv	0.2658	0.4200	0.1786	-0.1619
ML39.csv	ML33.csv	0.2346	0.3800	0.0058	0.0877
ML39.csv	ML34.csv	0.2195	0.3600	0.1124	0.0196

Implementation Number 160

Parameters: Top_N = 50

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.1364	0.2400	0.1124	0.0909
ML39.csv	ML36.csv	0.1236	0.2200	0.1124	-0.0909
ML39.csv	ML37.csv	0.1905	0.3200	0.1786	-0.0667
ML39.csv	ML38.csv	0.1494	0.2600	0.1124	0.0769
ML00.csv	ML01.csv	0.2048	0.3400	0.0006	0.2794
ML00.csv	ML02.csv	0.2195	0.3600	0.0013	-0.0980
ML00.csv	ML03.csv	0.2346	0.3800	0.1124	0.1579
ML00.csv	ML04.csv	0.2500	0.4000	0.5487	0.1789
ML00.csv	ML05.csv	0.2346	0.3800	0.2719	0.1462
ML00.csv	ML06.csv	0.1628	0.2800	0.7166	0.3187
ML00.csv	ML07.csv	0.1628	0.2800	0.0000	0.0549
ML00.csv	ML08.csv	0.1628	0.2800	0.2719	0.0330
ML00.csv	ML09.csv	0.1628	0.2800	0.1786	0.4945
ML00.csv	ML10.csv	0.2346	0.3800	0.0013	0.4269
ML00.csv	ML11.csv	0.2195	0.3600	0.0028	0.0458

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1934

Fleiss' Kappa Agreement Index (κ_F): 0.1623

Mean KS Distance Between Pairs (D): 0.3044

Mean p-value for KS Test Pairs: 0.1813

Mean KS Distance for Multiple Samples (D_{mult}): 0.2131

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1978

Mean Kendall Tau ($\bar{\tau}$): 0.1195

Median Kendall Tau ($\tilde{\tau}$): 0.1228

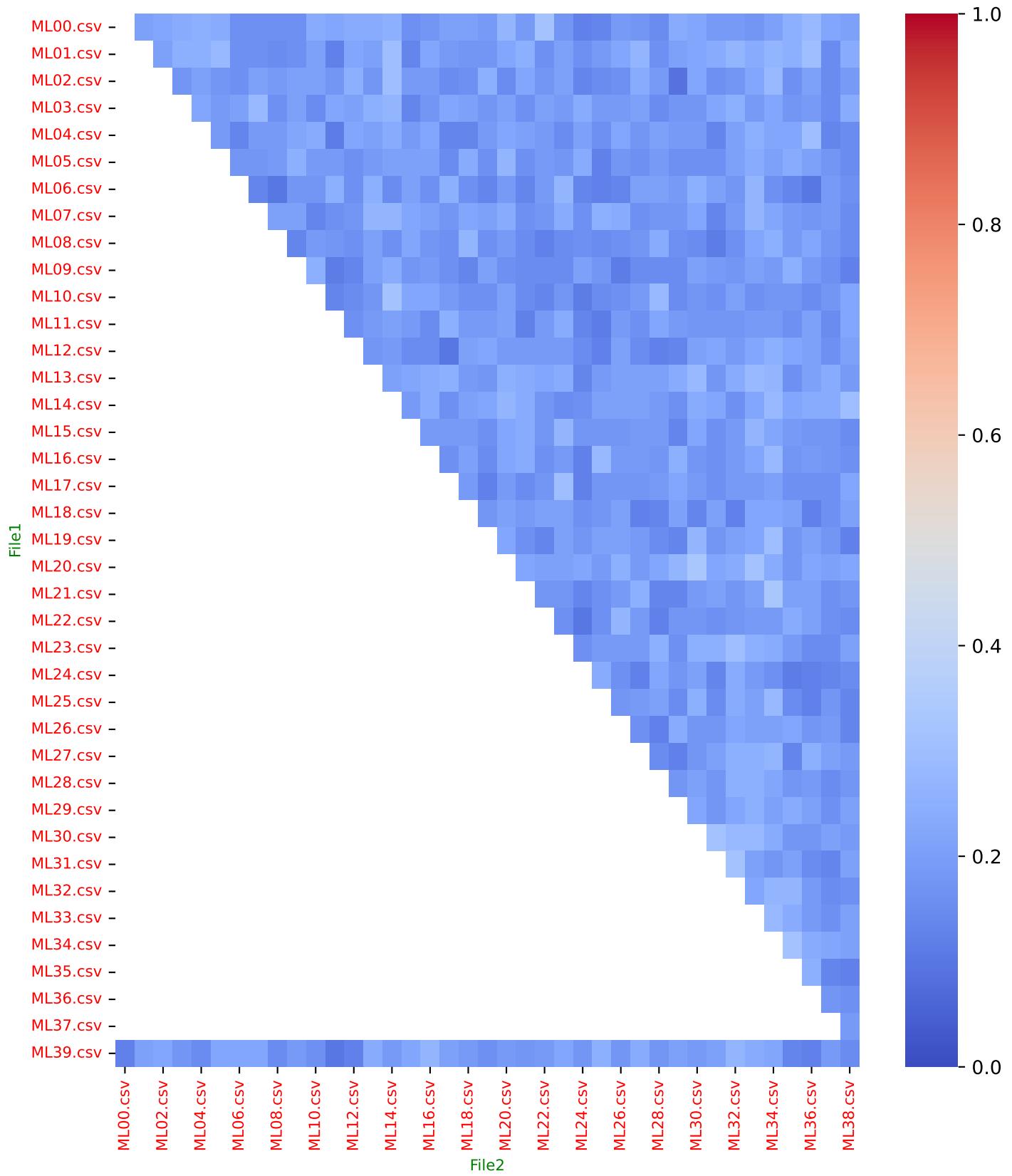
Percentage of Pairs with $\tau > 0$: 73.85%

Implementation Number 160

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

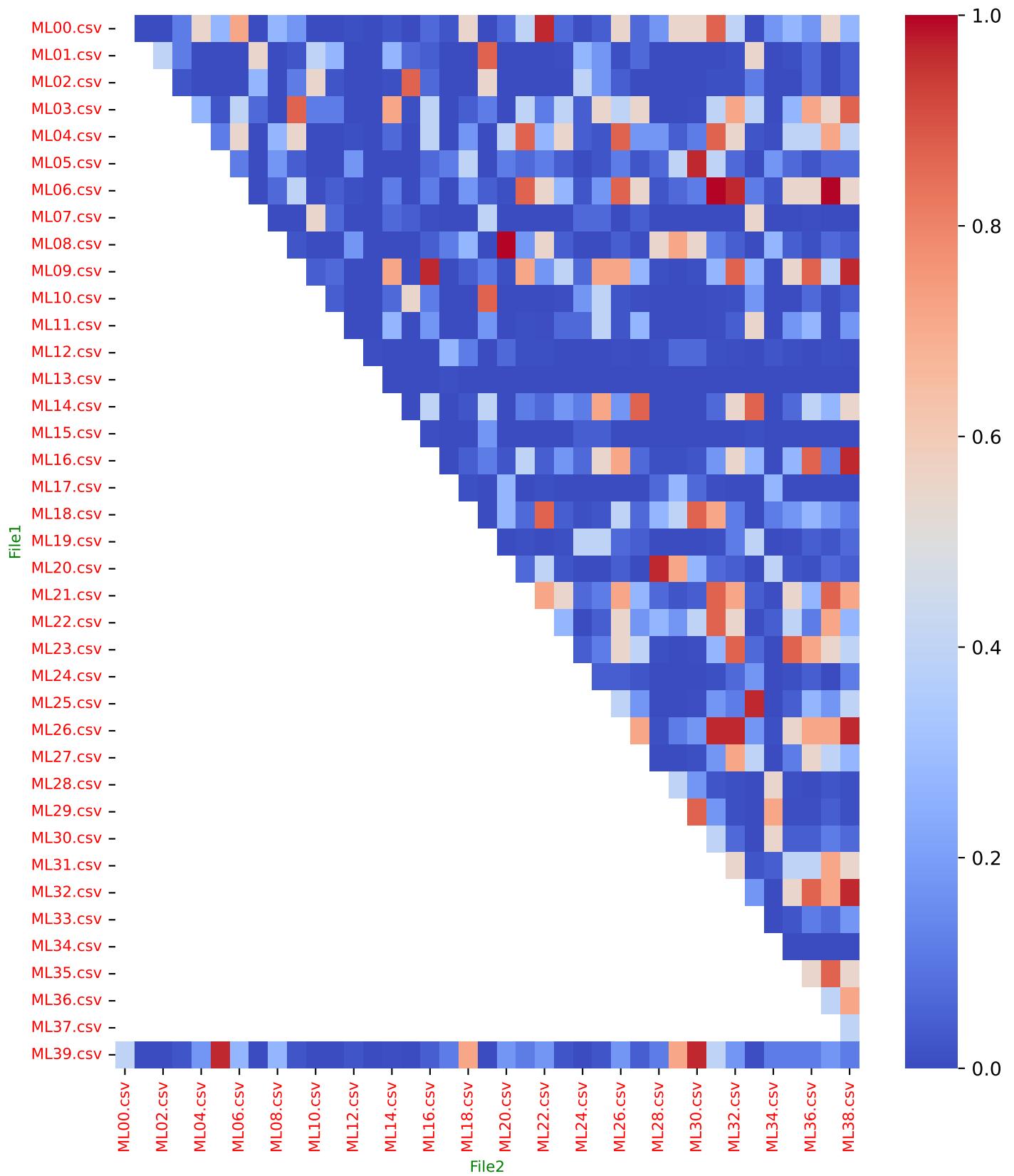


Implementation Number 160

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

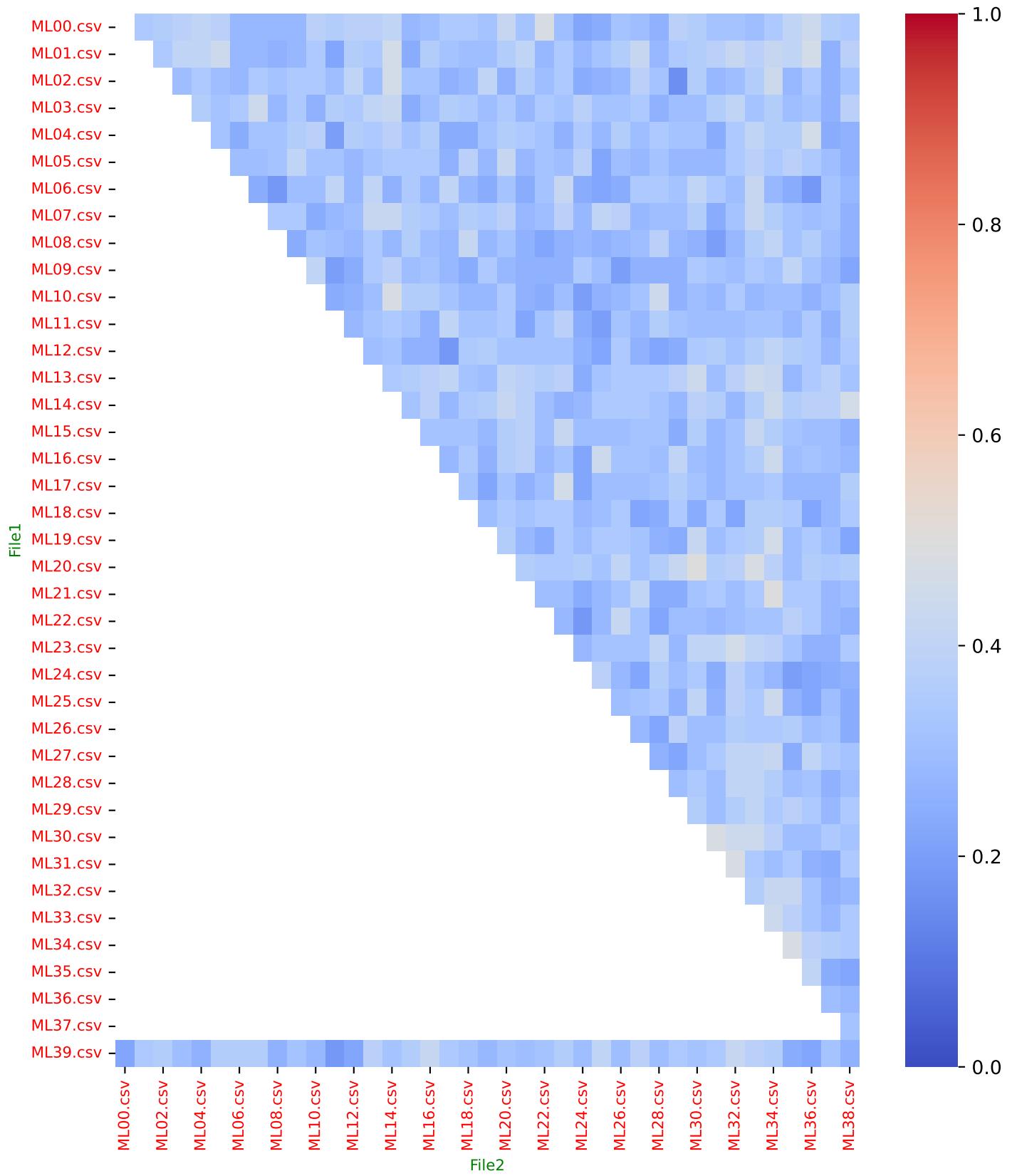


Implementation Number 160

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

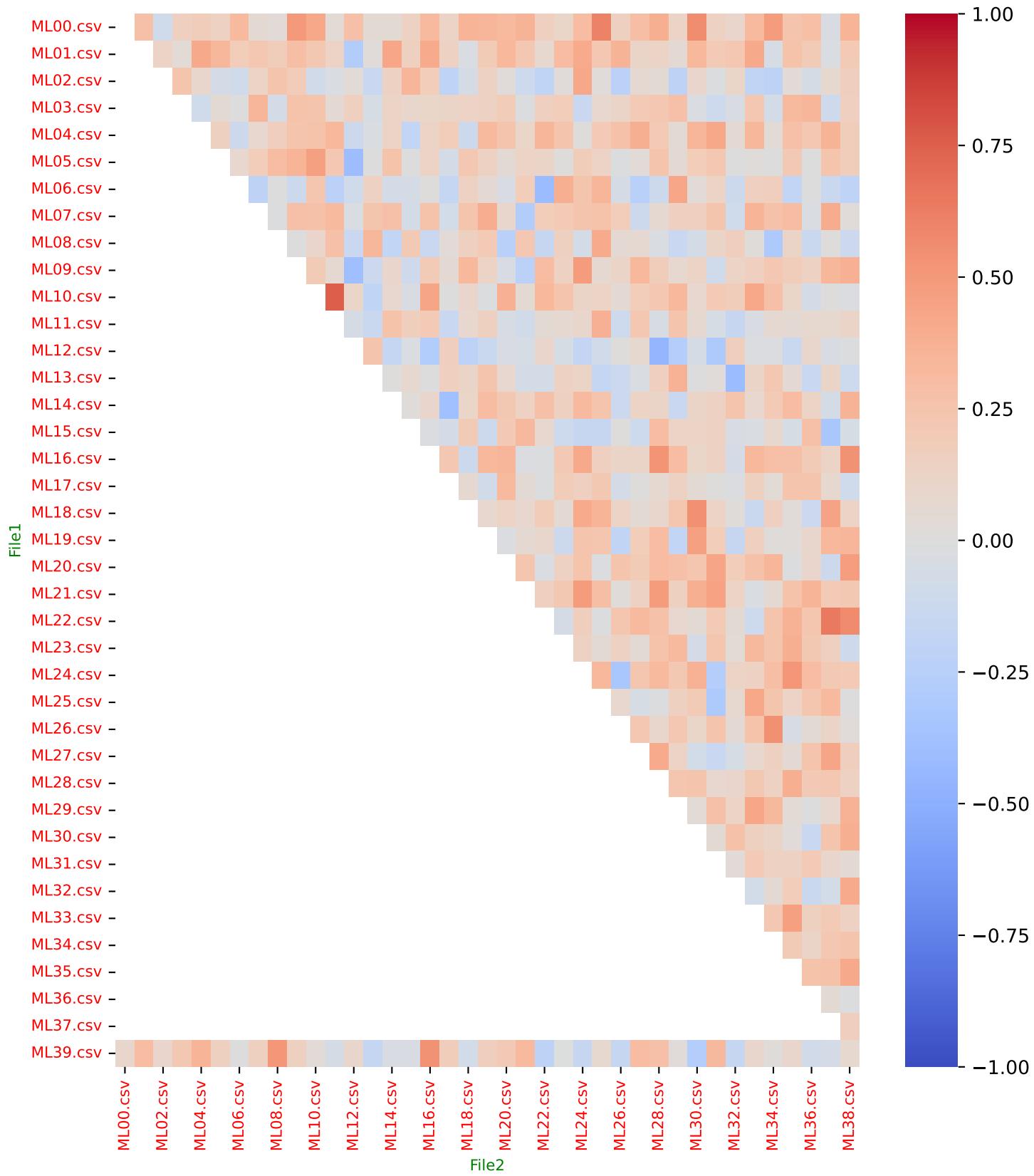


Implementation Number 160

Parameters: Top_N = 50
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 161

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 100
Number of Files: 40**

Implementation Number 161

Parameters: Top_N = 100

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 161

Parameters: Top_N = 100

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 161

Parameters: Top_N = 100

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
030.00 %	BAKON_615	00, 01, 07, 13, 16, 22, 23, 24, 26, 30, 32, 39
077.50 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 29, 30, 33, 35, 36, 37, 38
045.00 %	BAKON_236	00, 06, 08, 11, 12, 14, 17, 19, 20, 21, 22, 25, 26, 27, 29, 30, 35, 36
075.00 %	BAKON_509	00, 01, 03, 06, 07, 08, 12, 13, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
070.00 %	BAKON_124	00, 02, 03, 04, 06, 08, 12, 14, 15, 16, 17, 18, 19, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 38, 39
072.50 %	BAKON_259	00, 02, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 16, 18, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38
020.00 %	BAKON_595	00, 03, 06, 15, 17, 24, 35, 37
070.00 %	BAKON_440	00, 01, 02, 03, 04, 06, 08, 09, 10, 11, 12, 14, 15, 18, 20, 21, 22, 25, 26, 27, 28, 29, 33, 35, 36, 37, 38, 39
040.00 %	BAKON_180	00, 01, 03, 04, 05, 09, 13, 17, 18, 23, 26, 28, 33, 34, 36, 37
082.50 %	BAKON_186	00, 01, 02, 03, 04, 05, 06, 08, 09, 12, 13, 14, 15, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38
095.00 %	BAKON_366	00, 01, 02, 03, 04, 05, 06, 07, 08, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
070.00 %	BAKON_006	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 15, 19, 20, 23, 24, 26, 30, 32, 33, 34, 35, 36, 37, 38, 39
045.00 %	BAKON_137	00, 04, 07, 10, 11, 12, 13, 15, 18, 20, 24, 26, 27, 28, 32, 33, 38, 39
057.50 %	BAKON_606	00, 02, 03, 07, 09, 10, 11, 12, 13, 14, 17, 18, 19, 21, 24, 25, 29, 30, 31, 32, 33, 34, 39

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Global node Presence Mean (Weighted): 49.80%

Implementation Number 161

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.3333	0.5000	0.8154	0.1527
ML39.csv	ML01.csv	0.3514	0.5200	0.0000	0.2398
ML39.csv	ML02.csv	0.3793	0.5500	0.0539	0.1987
ML39.csv	ML03.csv	0.3793	0.5500	0.0099	0.0653
ML39.csv	ML04.csv	0.2903	0.4500	0.4695	0.0869
ML39.csv	ML05.csv	0.3605	0.5300	0.4695	0.1248
ML39.csv	ML06.csv	0.3514	0.5200	0.7021	0.0694
ML39.csv	ML07.csv	0.3699	0.5400	0.0000	0.3194
ML39.csv	ML08.csv	0.2821	0.4400	0.7021	0.0909
ML39.csv	ML09.csv	0.2987	0.4600	0.1112	0.1981
ML39.csv	ML10.csv	0.2987	0.4600	0.0022	0.1981
ML39.csv	ML11.csv	0.3245	0.4900	0.0001	0.0357
ML39.csv	ML12.csv	0.3333	0.5000	0.0061	0.0498
ML39.csv	ML13.csv	0.3245	0.4900	0.0000	0.0884
ML39.csv	ML14.csv	0.3605	0.5300	0.0037	0.0987
ML39.csv	ML15.csv	0.3423	0.5100	0.0099	0.2267
ML39.csv	ML16.csv	0.3158	0.4800	0.2819	0.3156
ML39.csv	ML17.csv	0.2987	0.4600	0.2112	0.1643
ML39.csv	ML18.csv	0.2422	0.3900	0.4695	0.1741
ML39.csv	ML19.csv	0.3333	0.5000	0.0000	0.1461
ML39.csv	ML20.csv	0.3333	0.5000	0.2819	0.2294
ML39.csv	ML21.csv	0.3245	0.4900	0.4695	0.0357
ML39.csv	ML22.csv	0.2821	0.4400	0.5830	0.1966
ML39.csv	ML23.csv	0.3514	0.5200	0.0539	0.2383
ML39.csv	ML24.csv	0.3245	0.4900	0.0156	0.1820
ML39.csv	ML25.csv	0.3333	0.5000	0.0539	0.1118
ML39.csv	ML26.csv	0.2821	0.4400	0.5830	0.2727
ML39.csv	ML27.csv	0.2987	0.4600	0.0539	0.2773
ML39.csv	ML28.csv	0.2987	0.4600	0.4695	0.1556
ML39.csv	ML29.csv	0.3158	0.4800	0.9684	0.2500
ML39.csv	ML30.csv	0.3333	0.5000	0.1112	0.0727
ML39.csv	ML31.csv	0.3072	0.4700	0.7021	0.0749
ML39.csv	ML32.csv	0.3699	0.5400	0.2819	0.2048
ML39.csv	ML33.csv	0.3605	0.5300	0.0241	0.1843
ML39.csv	ML34.csv	0.3245	0.4900	0.4695	0.3129

Implementation Number 161

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.3072	0.4700	0.2819	0.0601
ML39.csv	ML36.csv	0.3699	0.5400	0.3682	-0.0161
ML39.csv	ML37.csv	0.3072	0.4700	0.5830	0.2248
ML39.csv	ML38.csv	0.2821	0.4400	0.1548	0.0381
ML00.csv	ML01.csv	0.3245	0.4900	0.0000	0.1922
ML00.csv	ML02.csv	0.2987	0.4600	0.0539	0.1749
ML00.csv	ML03.csv	0.3605	0.5300	0.1112	0.0914
ML00.csv	ML04.csv	0.3072	0.4700	0.9084	0.2525
ML00.csv	ML05.csv	0.3072	0.4700	0.2112	0.2192
ML00.csv	ML06.csv	0.3333	0.5000	0.7021	0.2669
ML00.csv	ML07.csv	0.3605	0.5300	0.0000	0.0697
ML00.csv	ML08.csv	0.3333	0.5000	0.4695	0.0204
ML00.csv	ML09.csv	0.2739	0.4300	0.5830	0.2315
ML00.csv	ML10.csv	0.3333	0.5000	0.0099	0.2947
ML00.csv	ML11.csv	0.3514	0.5200	0.0061	0.2187

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Global Metrics:

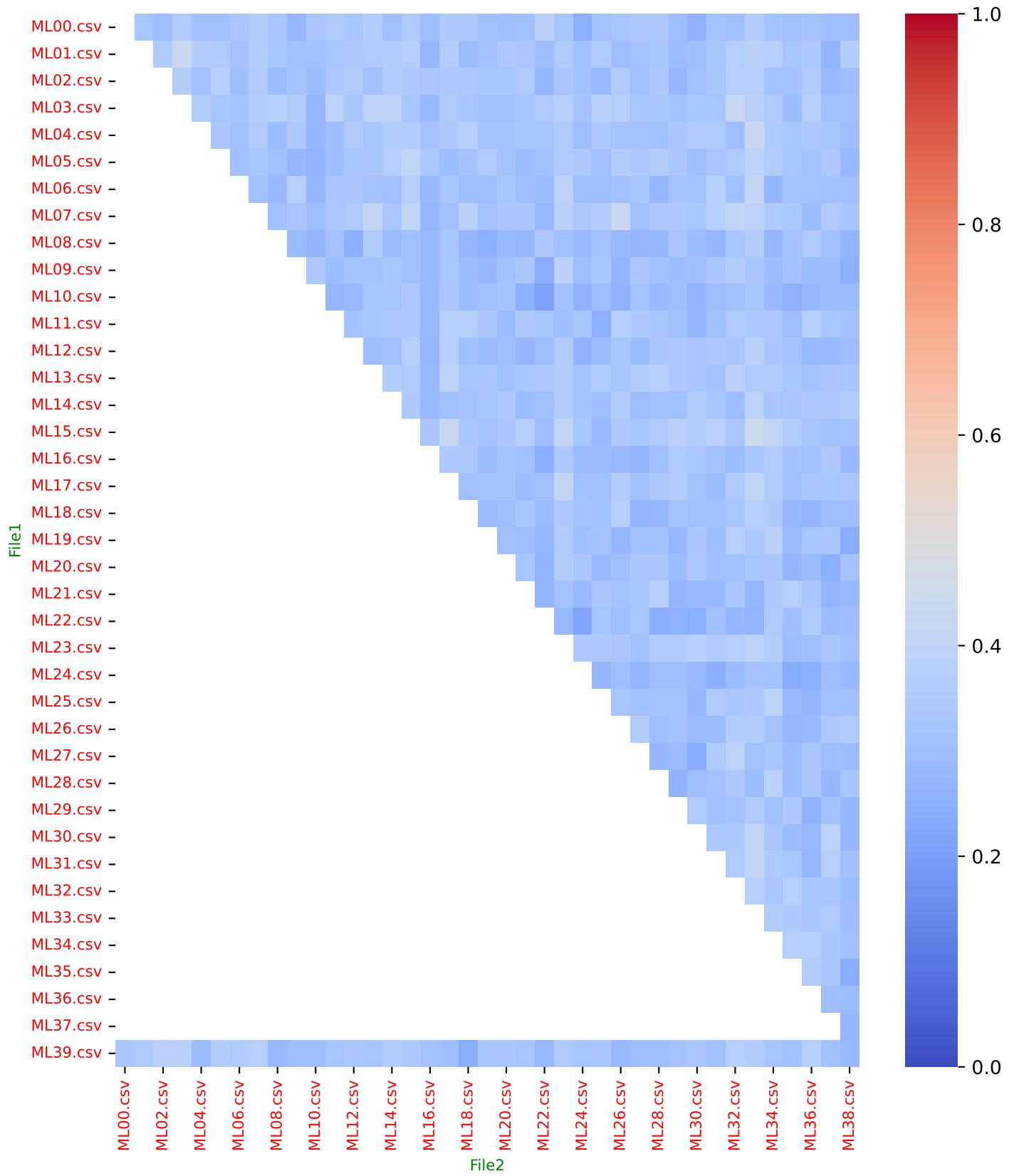
Mean Jaccard Coefficient (J): 0.3211
Fleiss' Kappa Agreement Index (κF): 0.2632
Mean KS Distance Between Pairs (D): 0.2024
Mean p-value for KS Test Pairs: 0.2096
Mean KS Distance for Multiple Samples (D_{mult}): 0.1415
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.2393
Mean Kendall Tau ($\bar{\tau}$): 0.1113
Median Kendall Tau ($\tilde{\tau}$): 0.1102
Percentage of Pairs with $\tau > 0$: 86.03%

Implementation Number 161

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

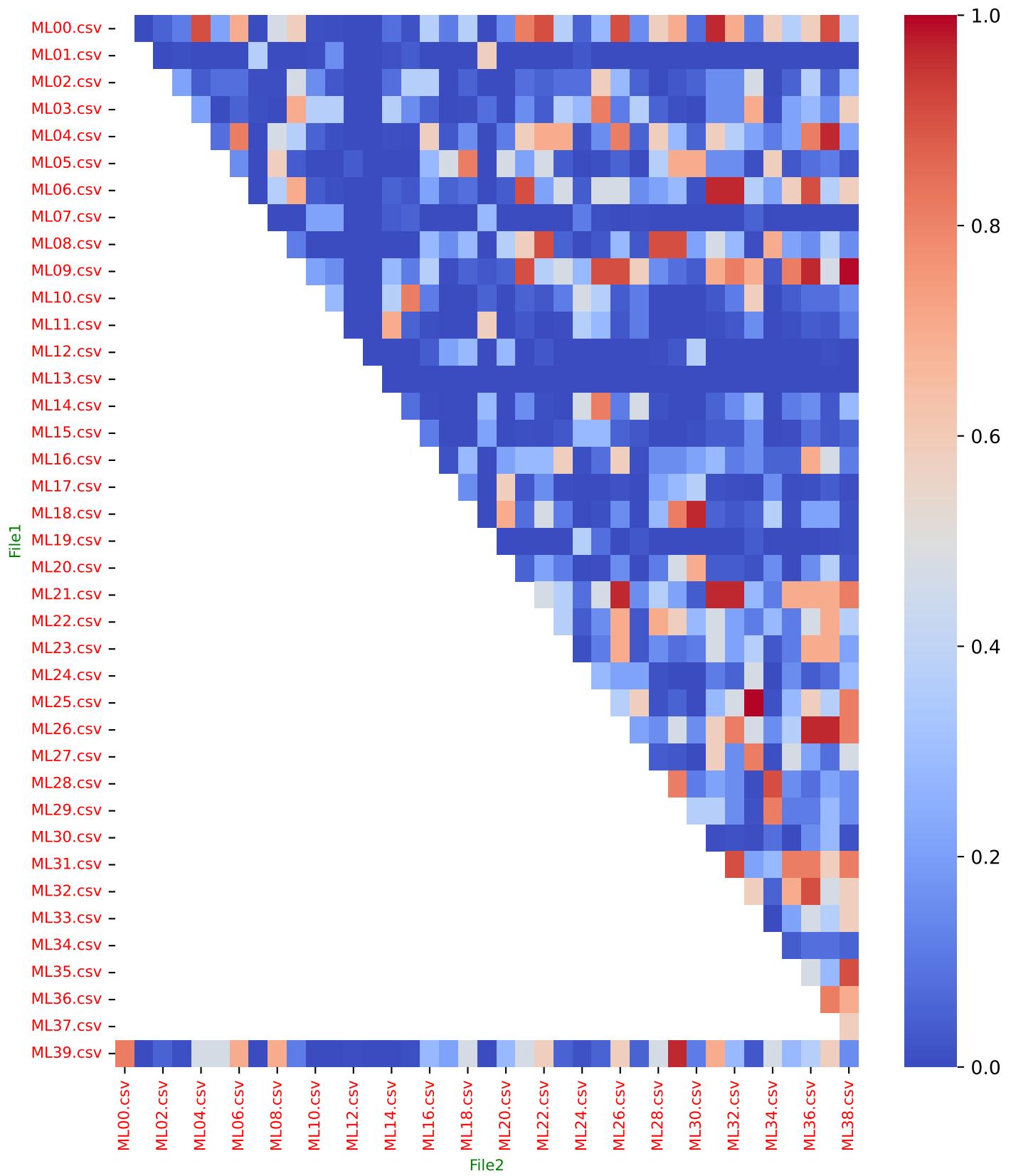


Implementation Number 161

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

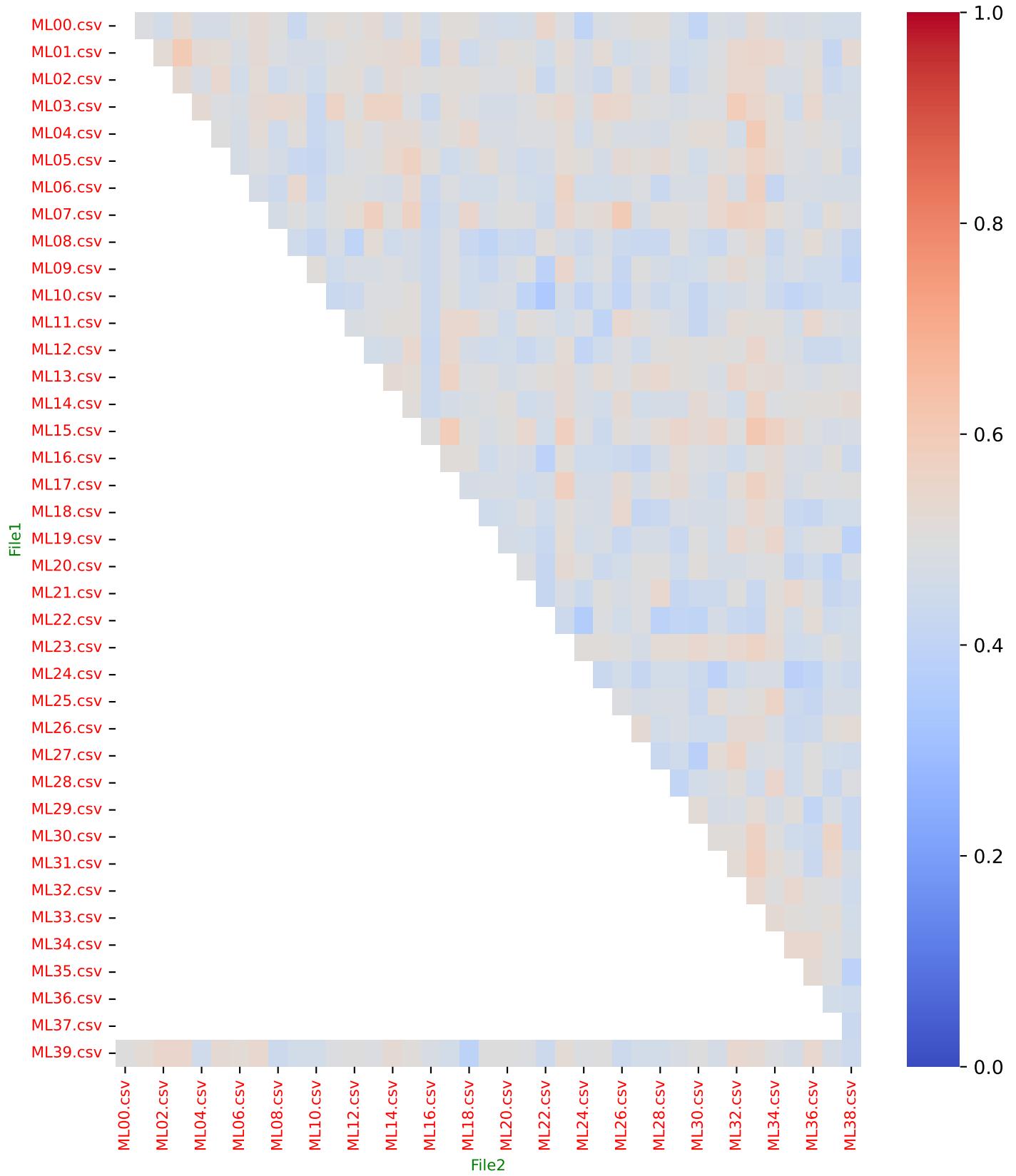


Implementation Number 161

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

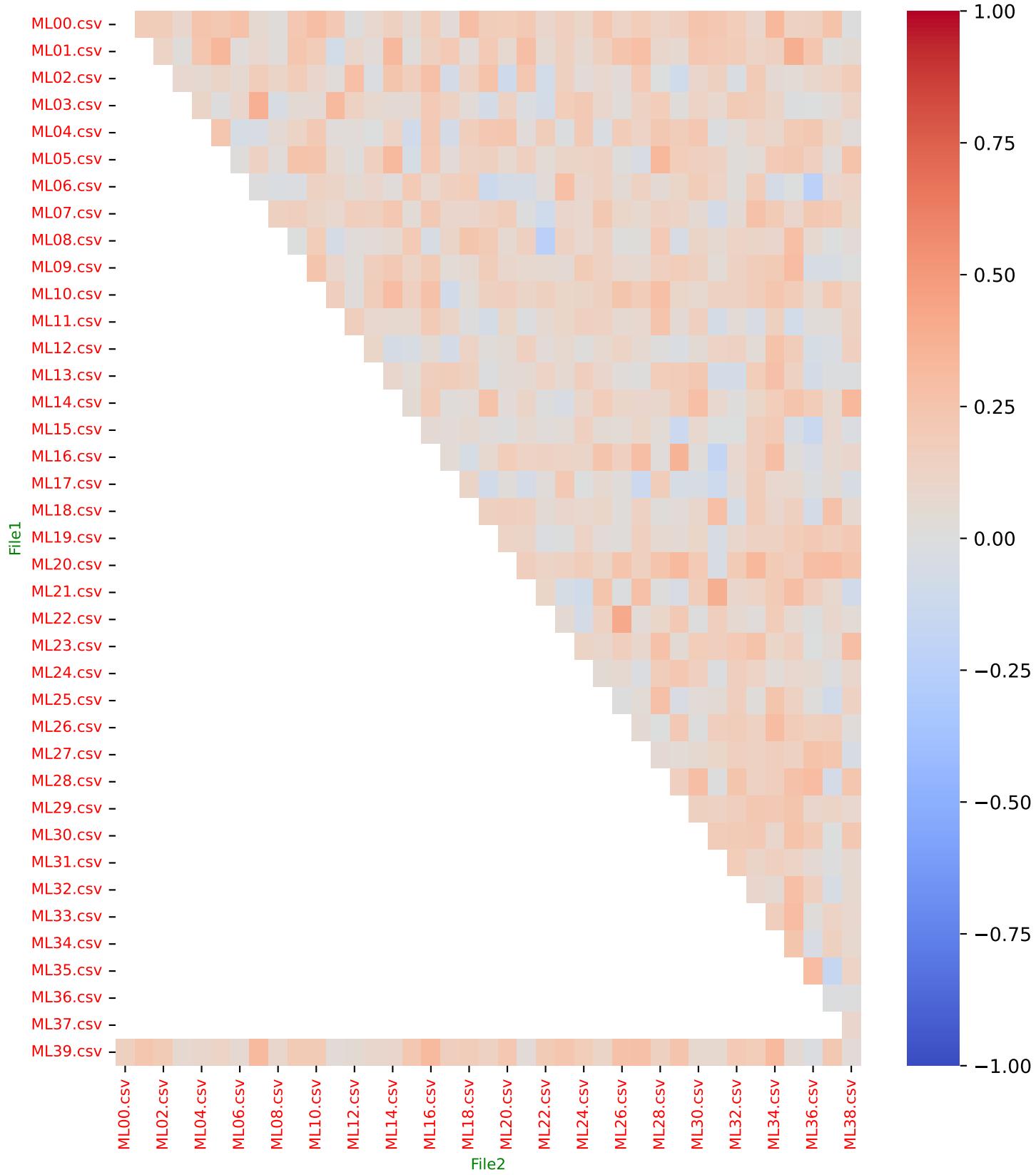


Implementation Number 161

Parameters: Top_N = 100
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 162

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 200
Number of Files: 40**

Implementation Number 162

Parameters: Top_N = 200

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 162

Parameters: Top_N = 200

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 162

Parameters: Top_N = 200

Number of files = 40

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
050.00 %	BAKON_615	00, 01, 05, 07, 08, 10, 11, 13, 16, 20, 21, 22, 23, 24, 26, 29, 30, 31, 32, 39
090.00 %	BAKON_406	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 33, 35, 36, 37, 38, 39
075.00 %	BAKON_236	00, 04, 06, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 31, 34, 35, 36, 38, 39
085.00 %	BAKON_509	00, 01, 03, 04, 06, 07, 08, 09, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
090.00 %	BAKON_124	00, 01, 02, 03, 04, 06, 07, 08, 09, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
092.50 %	BAKON_259	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38
055.00 %	BAKON_595	00, 01, 02, 03, 04, 06, 09, 11, 15, 16, 17, 22, 23, 24, 25, 28, 30, 32, 34, 35, 36, 37
087.50 %	BAKON_440	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 14, 15, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35, 36, 37, 38, 39
042.50 %	BAKON_180	00, 01, 03, 04, 05, 09, 13, 17, 18, 23, 26, 28, 33, 34, 35, 36, 37
100.00 %	BAKON_186	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39

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Global node Presence Mean (Weighted): 69.93%

Implementation Number 162

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML39.csv	ML00.csv	0.5625	0.7200	0.7934	0.1749
ML39.csv	ML01.csv	0.5326	0.6950	0.0021	0.1629
ML39.csv	ML02.csv	0.5385	0.7000	0.3281	0.2492
ML39.csv	ML03.csv	0.5326	0.6950	0.1421	0.1808
ML39.csv	ML04.csv	0.5504	0.7100	0.8655	0.1544
ML39.csv	ML05.csv	0.5564	0.7150	0.5453	0.3235
ML39.csv	ML06.csv	0.5444	0.7050	0.3281	0.2446
ML39.csv	ML07.csv	0.5444	0.7050	0.0043	0.2406
ML39.csv	ML08.csv	0.5444	0.7050	0.9647	0.1420
ML39.csv	ML09.csv	0.5748	0.7300	0.1779	0.2216
ML39.csv	ML10.csv	0.5152	0.6800	0.0680	0.1923
ML39.csv	ML11.csv	0.5326	0.6950	0.0163	0.1417
ML39.csv	ML12.csv	0.5686	0.7250	0.1123	0.1383
ML39.csv	ML13.csv	0.4870	0.6550	0.0010	0.2289
ML39.csv	ML14.csv	0.5564	0.7150	0.0521	0.3251
ML39.csv	ML15.csv	0.5444	0.7050	0.1421	0.2836
ML39.csv	ML16.csv	0.5326	0.6950	0.7126	0.2629
ML39.csv	ML17.csv	0.5385	0.7000	0.3281	0.2030
ML39.csv	ML18.csv	0.4815	0.6500	0.0396	0.2086
ML39.csv	ML19.csv	0.5038	0.6700	0.0085	0.0888
ML39.csv	ML20.csv	0.5209	0.6850	0.3281	0.1840
ML39.csv	ML21.csv	0.5267	0.6900	0.0878	0.1905
ML39.csv	ML22.csv	0.5385	0.7000	0.9238	0.1956
ML39.csv	ML23.csv	0.5326	0.6950	0.3281	0.2365
ML39.csv	ML24.csv	0.5209	0.6850	0.1779	0.1817
ML39.csv	ML25.csv	0.5267	0.6900	0.3281	0.2372
ML39.csv	ML26.csv	0.5326	0.6950	0.9238	0.1443
ML39.csv	ML27.csv	0.5444	0.7050	0.3281	0.1078
ML39.csv	ML28.csv	0.5038	0.6700	0.8655	0.1329
ML39.csv	ML29.csv	0.5564	0.7150	0.9238	0.2414
ML39.csv	ML30.csv	0.5564	0.7150	0.1123	0.1868
ML39.csv	ML31.csv	0.4981	0.6650	0.6284	0.1957
ML39.csv	ML32.csv	0.5385	0.7000	0.7126	0.2800
ML39.csv	ML33.csv	0.5152	0.6800	0.2205	0.2222
ML39.csv	ML34.csv	0.5385	0.7000	0.7934	0.1878

Implementation Number 162

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML39.csv	ML35.csv	0.5038	0.6700	0.3935	0.1467
ML39.csv	ML36.csv	0.5748	0.7300	0.6284	0.1479
ML39.csv	ML37.csv	0.5326	0.6950	0.8655	0.1708
ML39.csv	ML38.csv	0.4925	0.6600	0.5453	0.1804
ML00.csv	ML01.csv	0.5936	0.7450	0.0061	0.1675
ML00.csv	ML02.csv	0.5625	0.7200	0.1779	0.1517
ML00.csv	ML03.csv	0.5385	0.7000	0.1779	0.2345
ML00.csv	ML04.csv	0.5385	0.7000	0.4663	0.2277
ML00.csv	ML05.csv	0.5748	0.7300	0.6284	0.2127
ML00.csv	ML06.csv	0.5748	0.7300	0.4663	0.1866
ML00.csv	ML07.csv	0.5504	0.7100	0.0085	0.1979
ML00.csv	ML08.csv	0.5444	0.7050	0.4663	0.1329
ML00.csv	ML09.csv	0.5564	0.7150	0.0396	0.1822
ML00.csv	ML10.csv	0.5564	0.7150	0.1421	0.2219
ML00.csv	ML11.csv	0.5209	0.6850	0.1123	0.2066

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Global Metrics:

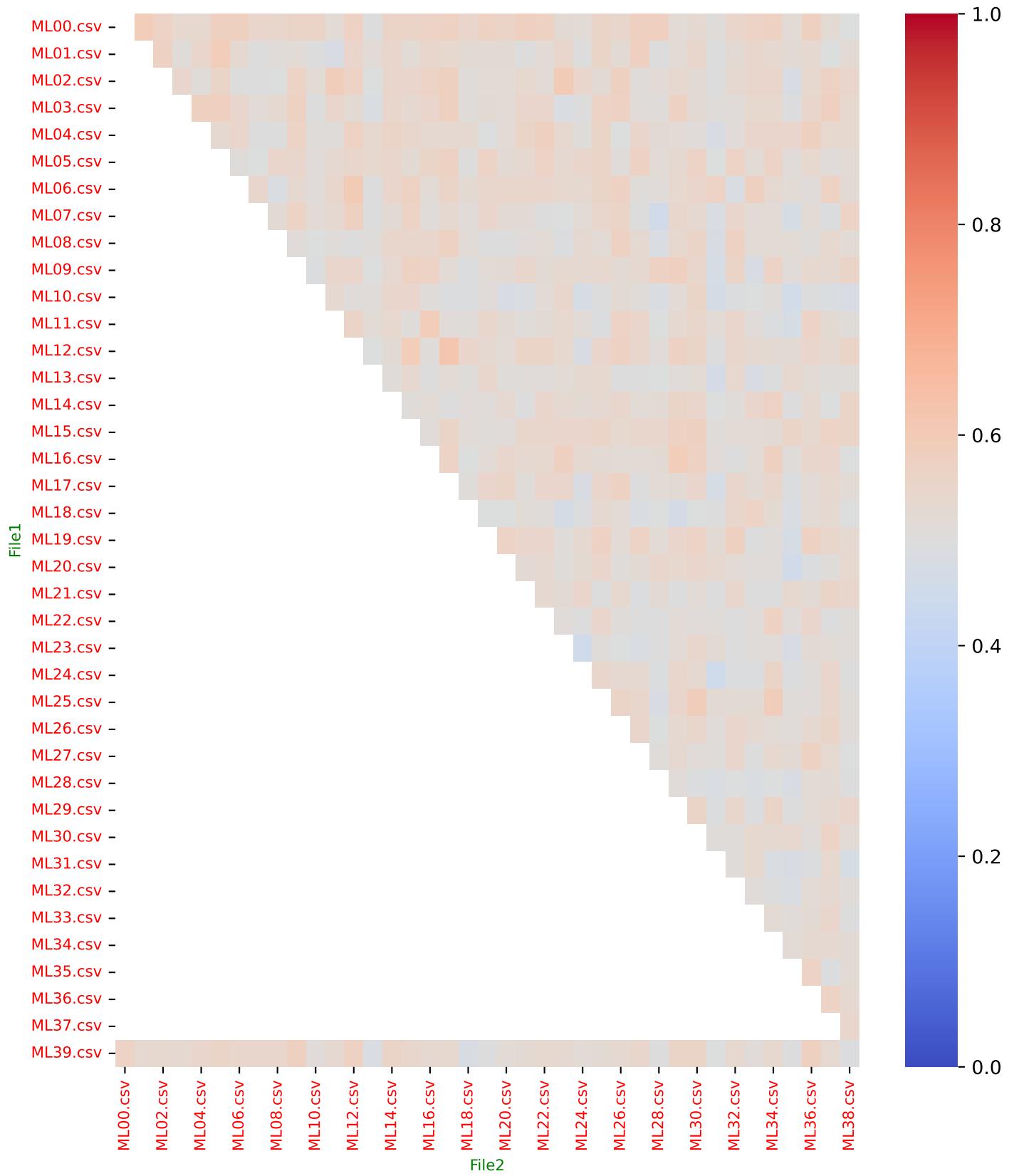
Mean Jaccard Coefficient (J): 0.5291
Fleiss' Kappa Agreement Index (κ_F): 0.3817
Mean KS Distance Between Pairs (D): 0.1166
Mean p-value for KS Test Pairs: 0.2929
Mean KS Distance for Multiple Samples (D_{mult}): 0.0825
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.3103
Mean Kendall Tau ($\bar{\tau}$): 0.1952
Median Kendall Tau ($\tilde{\tau}$): 0.1955
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 162

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

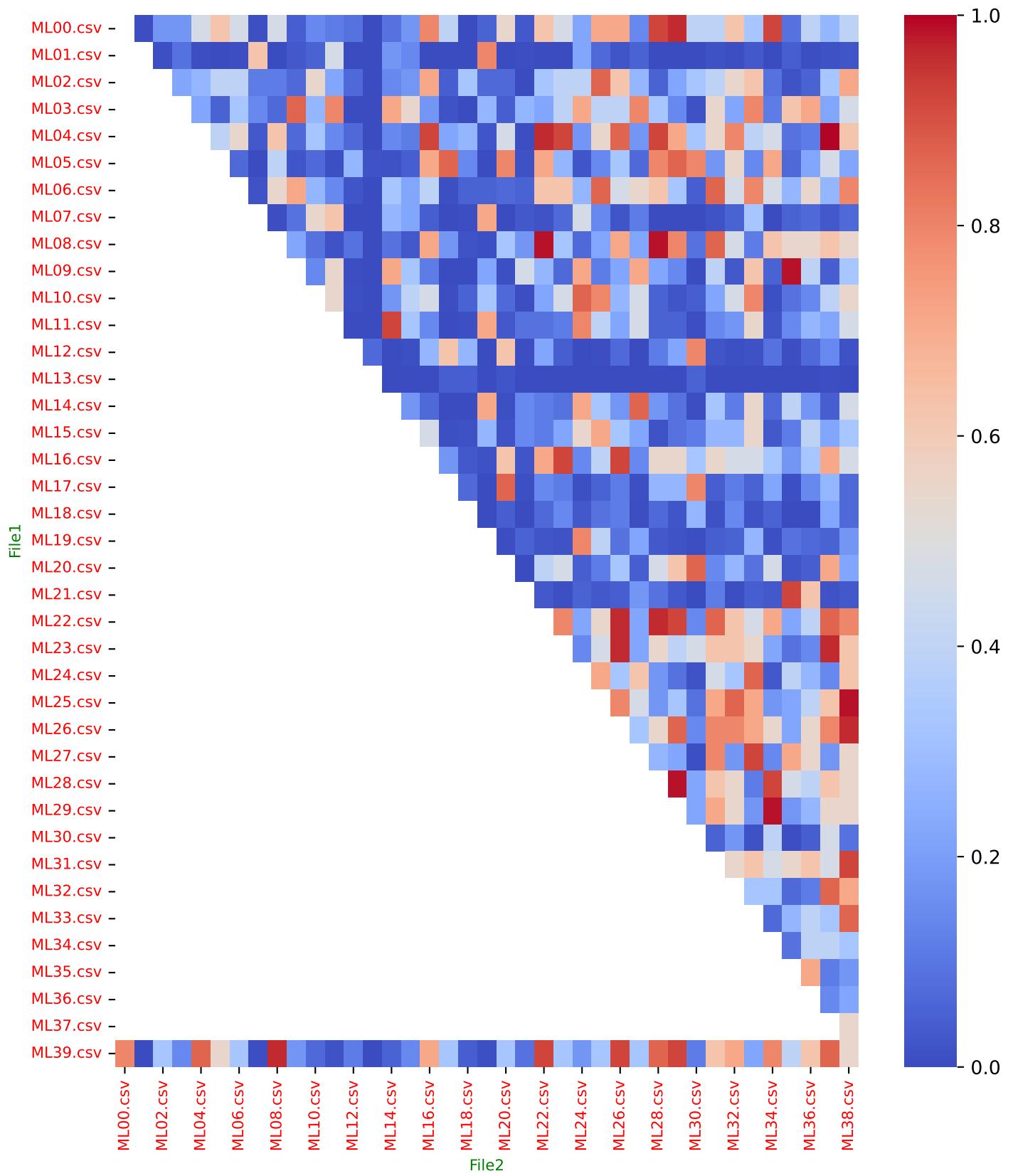


Implementation Number 162

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

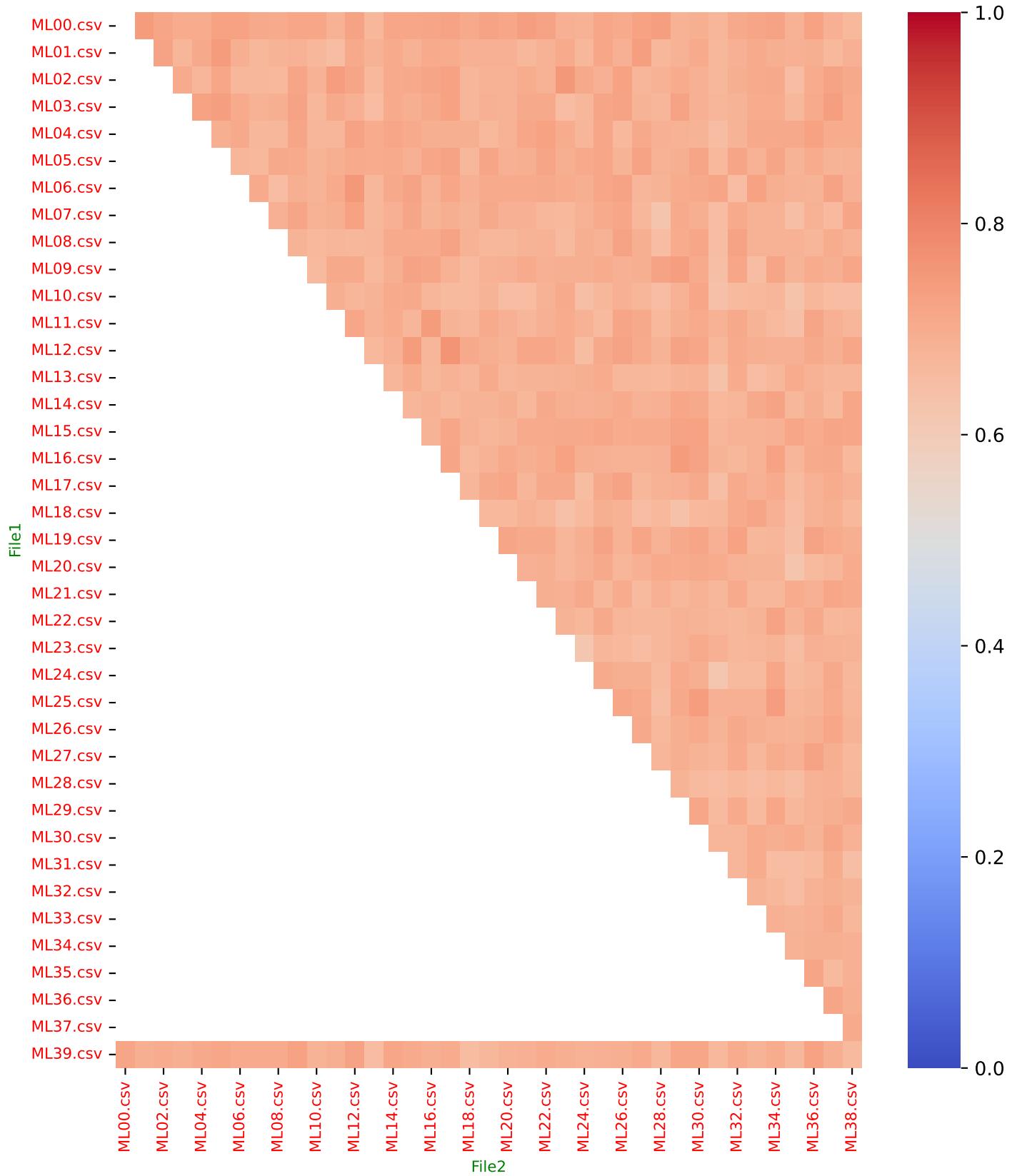


Implementation Number 162

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

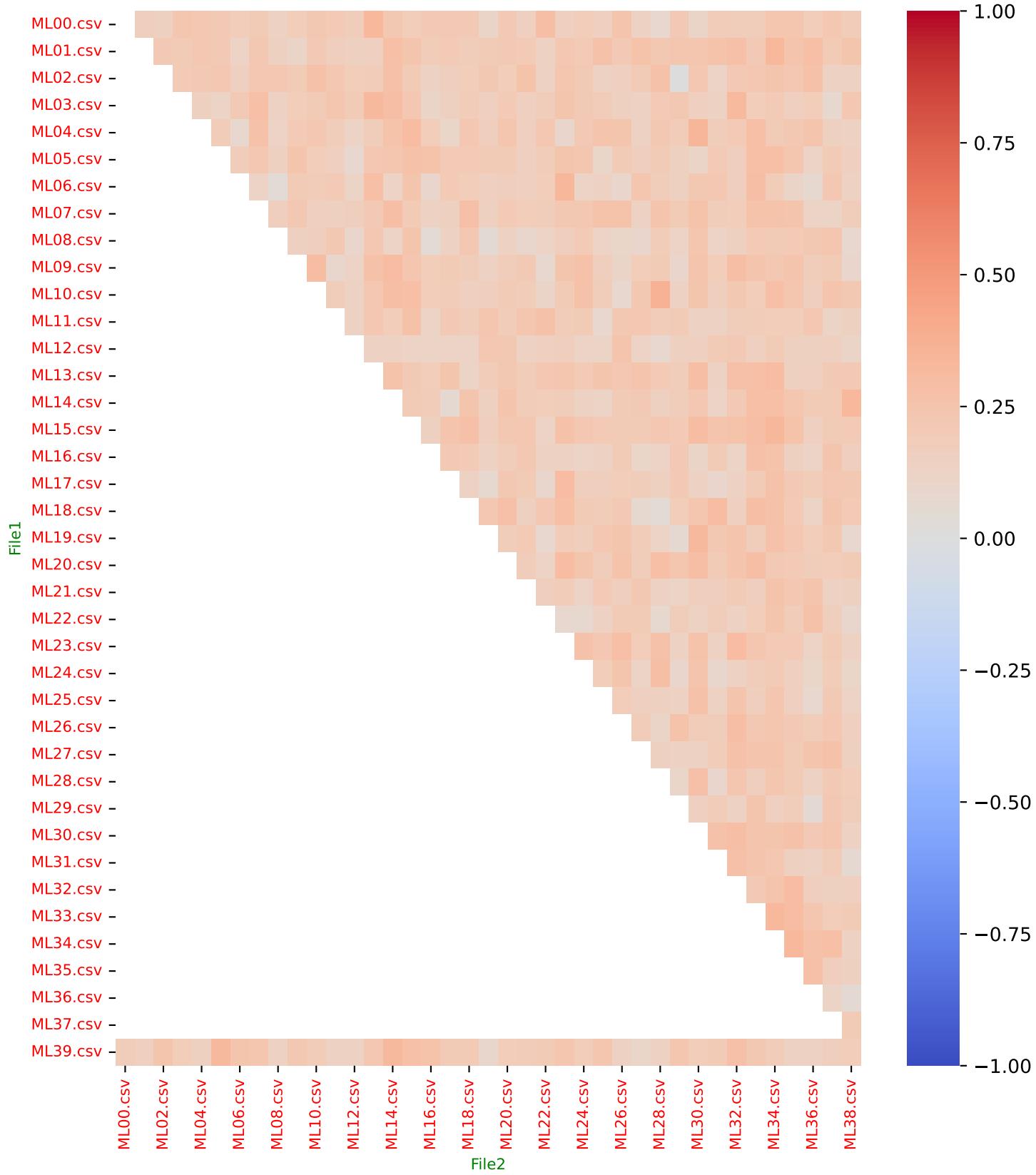


Implementation Number 162

Parameters: Top_N = 200
Number of files = 40

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 163

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 10
Number of Files: 50

Implementation Number 163

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 163

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 163

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
052.00 %	BAKON_478	00, 01, 02, 03, 07, 10, 11, 14, 15, 17, 18, 21, 22, 24, 27, 28, 29, 30, 32, 33, 37, 38, 44, 45, 48, 49
016.00 %	BAKON_571	00, 08, 25, 26, 37, 41, 44, 48
012.00 %	BAKON_126	00, 03, 06, 11, 12, 31
018.00 %	BAKON_276	00, 09, 12, 15, 21, 25, 26, 28, 39
040.00 %	BAKON_130	00, 02, 04, 05, 06, 07, 09, 12, 14, 18, 23, 25, 30, 33, 34, 39, 43, 45, 46, 49
006.00 %	BAKON_125	00, 23, 25
050.00 %	BAKON_084	00, 02, 03, 04, 08, 09, 10, 11, 12, 15, 16, 19, 20, 22, 23, 26, 29, 32, 34, 37, 38, 40, 41, 43, 48
002.00 %	BAKON_273	00
028.00 %	BAKON_133	00, 08, 09, 12, 14, 18, 20, 23, 28, 34, 39, 42, 45, 47
022.00 %	BAKON_470	00, 02, 10, 16, 22, 29, 30, 31, 36, 41, 44
042.00 %	BAKON_212	01, 04, 08, 09, 13, 18, 19, 20, 21, 22, 23, 28, 34, 37, 38, 40, 42, 44, 46, 48, 49
012.00 %	BAKON_373	01, 15, 19, 27, 37, 42
016.00 %	BAKON_374	01, 06, 13, 15, 21, 27, 35, 38
030.00 %	BAKON_211	01, 03, 04, 10, 11, 15, 24, 32, 35, 36, 40, 42, 43, 44, 48
040.00 %	BAKON_209	01, 02, 03, 04, 05, 08, 14, 20, 22, 24, 26, 28, 30, 31, 32, 34, 39, 40, 47, 48
024.00 %	BAKON_083	01, 12, 15, 17, 19, 20, 21, 24, 30, 38, 41, 46
010.00 %	BAKON_398	01, 11, 25, 26, 34
030.00 %	BAKON_437	01, 02, 04, 08, 09, 10, 17, 25, 26, 33, 35, 41, 42, 43, 46
010.00 %	BAKON_377	01, 15, 18, 38, 42
012.00 %	BAKON_160	02, 03, 05, 07, 31, 43
024.00 %	BAKON_082	02, 04, 10, 14, 16, 17, 30, 36, 37, 38, 41, 49
026.00 %	BAKON_085	02, 04, 07, 10, 12, 13, 17, 28, 32, 37, 43, 46, 47

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Global node Presence Mean (Weighted): 23.58%

Implementation Number 163

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.0526	0.1000	0.0000	nan
ML49.csv	ML01.csv	0.2500	0.4000	1.0000	1.0000
ML49.csv	ML02.csv	0.1765	0.3000	0.0000	0.3333
ML49.csv	ML03.csv	0.1111	0.2000	0.0123	nan
ML49.csv	ML04.csv	0.0526	0.1000	0.0002	nan
ML49.csv	ML05.csv	0.1111	0.2000	0.0000	1.0000
ML49.csv	ML06.csv	0.1111	0.2000	0.1678	-1.0000
ML49.csv	ML07.csv	0.1765	0.3000	0.9945	-1.0000
ML49.csv	ML08.csv	0.2500	0.4000	0.0000	-0.5774
ML49.csv	ML09.csv	0.1765	0.3000	0.0000	1.0000
ML49.csv	ML10.csv	0.1765	0.3000	0.0000	0.8165
ML49.csv	ML11.csv	0.3333	0.5000	0.0002	0.0000
ML49.csv	ML12.csv	0.0000	0.0000	0.0000	nan
ML49.csv	ML13.csv	0.1765	0.3000	0.0000	0.0000
ML49.csv	ML14.csv	0.1765	0.3000	0.0002	0.8165
ML49.csv	ML15.csv	0.1111	0.2000	0.0000	nan
ML49.csv	ML16.csv	0.0526	0.1000	0.0524	nan
ML49.csv	ML17.csv	0.1765	0.3000	0.0002	0.8165
ML49.csv	ML18.csv	0.0526	0.1000	0.0000	nan
ML49.csv	ML19.csv	0.1111	0.2000	0.0000	nan
ML49.csv	ML20.csv	0.1111	0.2000	0.0002	1.0000
ML49.csv	ML21.csv	0.1765	0.3000	0.0524	-0.5000
ML49.csv	ML22.csv	0.2500	0.4000	0.0000	nan
ML49.csv	ML23.csv	0.0526	0.1000	0.0021	nan
ML49.csv	ML24.csv	0.2500	0.4000	0.9945	0.8000
ML49.csv	ML25.csv	0.1765	0.3000	0.0000	nan
ML49.csv	ML26.csv	0.0526	0.1000	0.0000	nan
ML49.csv	ML27.csv	0.1765	0.3000	0.0002	nan
ML49.csv	ML28.csv	0.1765	0.3000	0.1678	0.8165
ML49.csv	ML29.csv	0.1765	0.3000	0.4175	1.0000
ML49.csv	ML30.csv	0.1111	0.2000	0.0000	nan
ML49.csv	ML31.csv	0.1111	0.2000	0.0123	1.0000
ML49.csv	ML32.csv	0.1111	0.2000	0.0002	1.0000
ML49.csv	ML33.csv	0.1765	0.3000	0.9945	nan
ML49.csv	ML34.csv	0.0000	0.0000	0.0000	nan

Implementation Number 163

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.0526	0.1000	0.0000	nan
ML49.csv	ML36.csv	0.1765	0.3000	0.0524	-0.8165
ML49.csv	ML37.csv	0.1111	0.2000	0.0002	1.0000
ML49.csv	ML38.csv	0.1765	0.3000	0.0021	-0.5000
ML49.csv	ML39.csv	0.0526	0.1000	0.0000	nan
ML49.csv	ML40.csv	0.1765	0.3000	0.0000	0.5000
ML49.csv	ML41.csv	0.0526	0.1000	0.1678	nan
ML49.csv	ML42.csv	0.1111	0.2000	0.0000	nan
ML49.csv	ML43.csv	0.1765	0.3000	0.0000	1.0000
ML49.csv	ML44.csv	0.1765	0.3000	0.0002	0.8165
ML49.csv	ML45.csv	0.0526	0.1000	0.0000	nan
ML49.csv	ML46.csv	0.0526	0.1000	0.0524	nan
ML49.csv	ML47.csv	0.1765	0.3000	0.0000	0.8165
ML49.csv	ML48.csv	0.1111	0.2000	0.0000	nan
ML00.csv	ML01.csv	0.1765	0.3000	0.0000	1.0000

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1288

Fleiss' Kappa Agreement Index (κF): 0.1263

Mean KS Distance Between Pairs (D): 0.8549

Mean p-value for KS Test Pairs: 0.0892

Mean KS Distance for Multiple Samples (D_{mult}): 0.6208

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0190

Mean Kendall Tau ($\bar{\tau}$): 0.2853

Median Kendall Tau ($\tilde{\tau}$): 0.5477

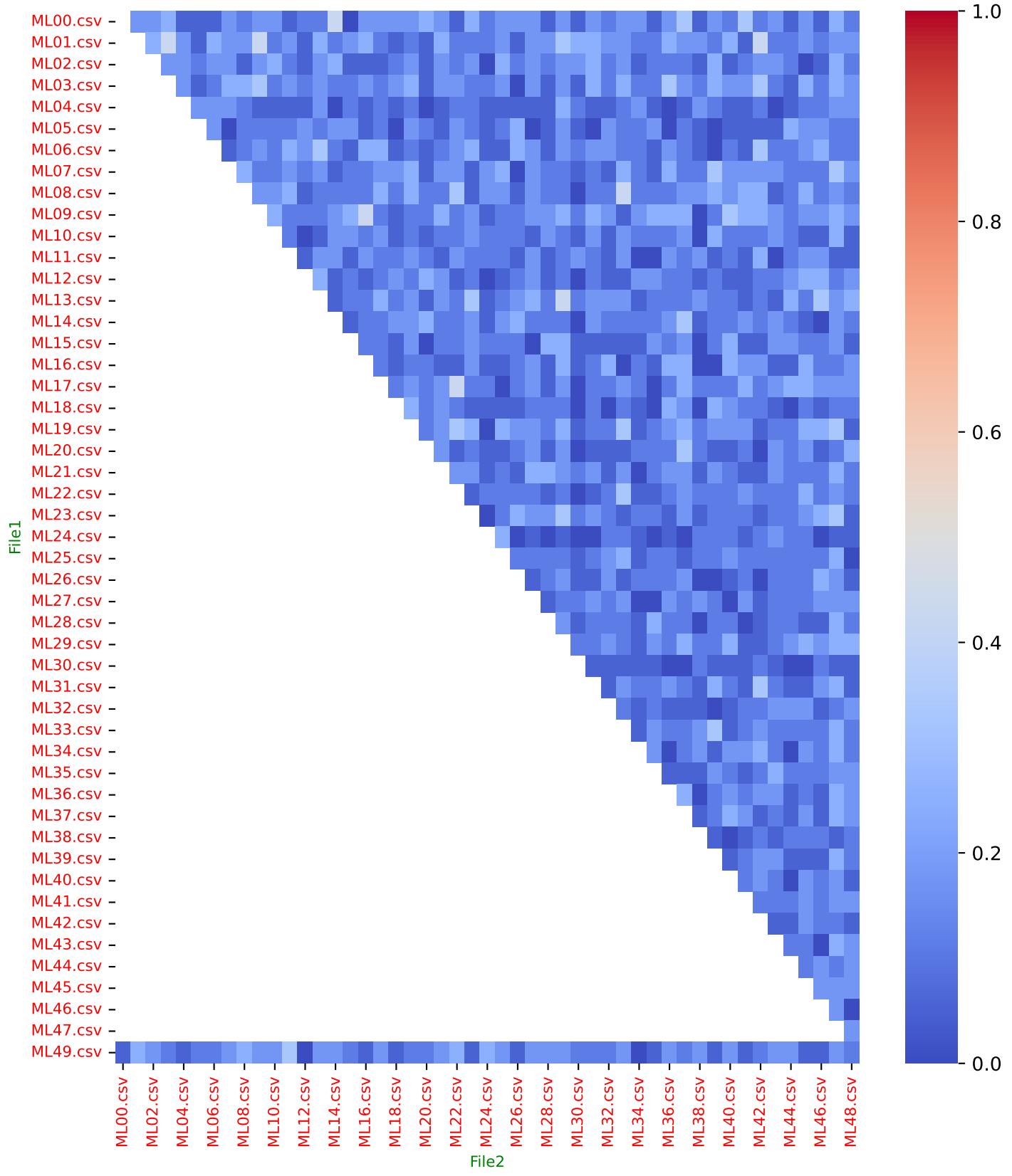
Percentage of Pairs with $\tau > 0$: 33.80%

Implementation Number 163

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

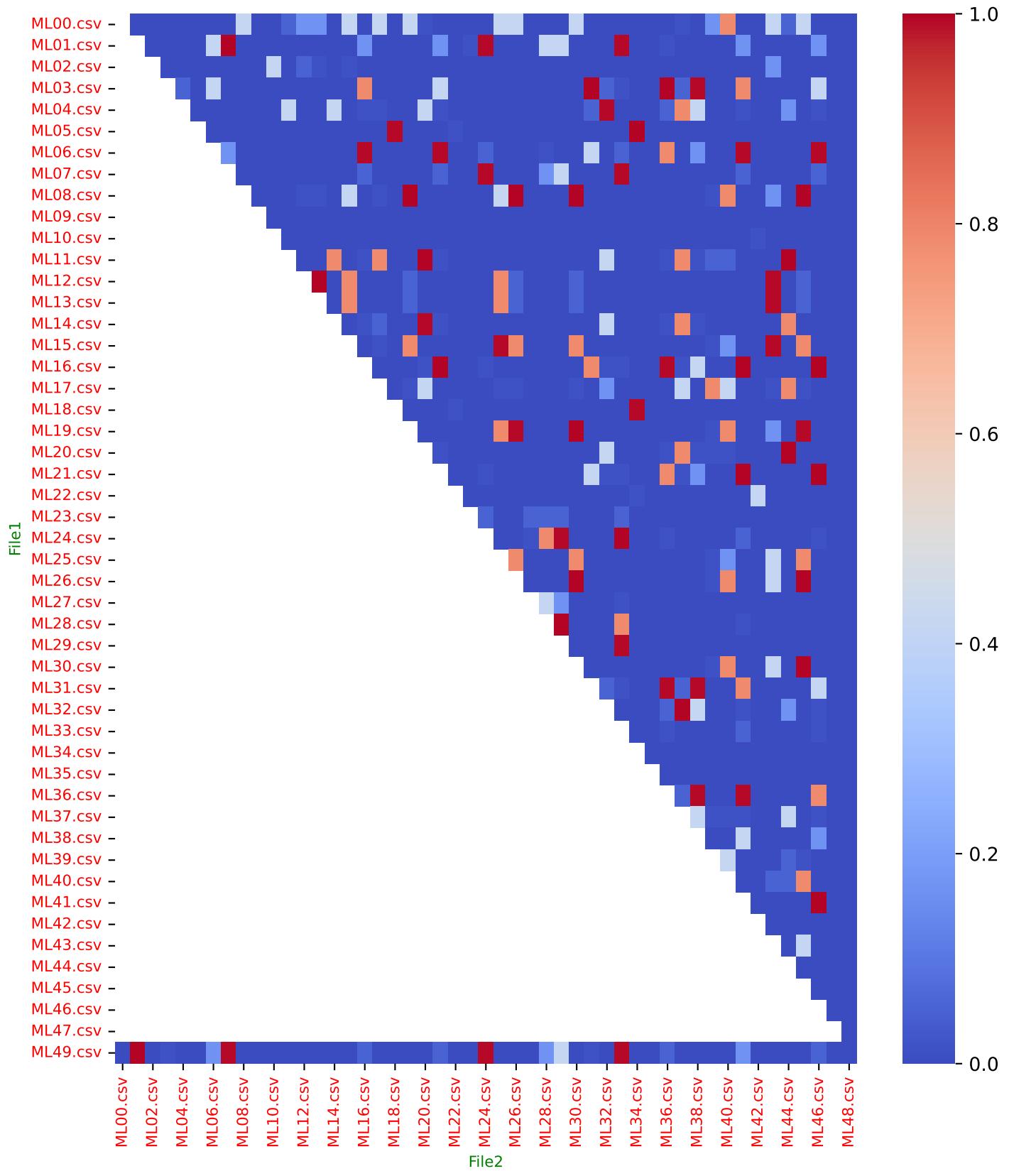


Implementation Number 163

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

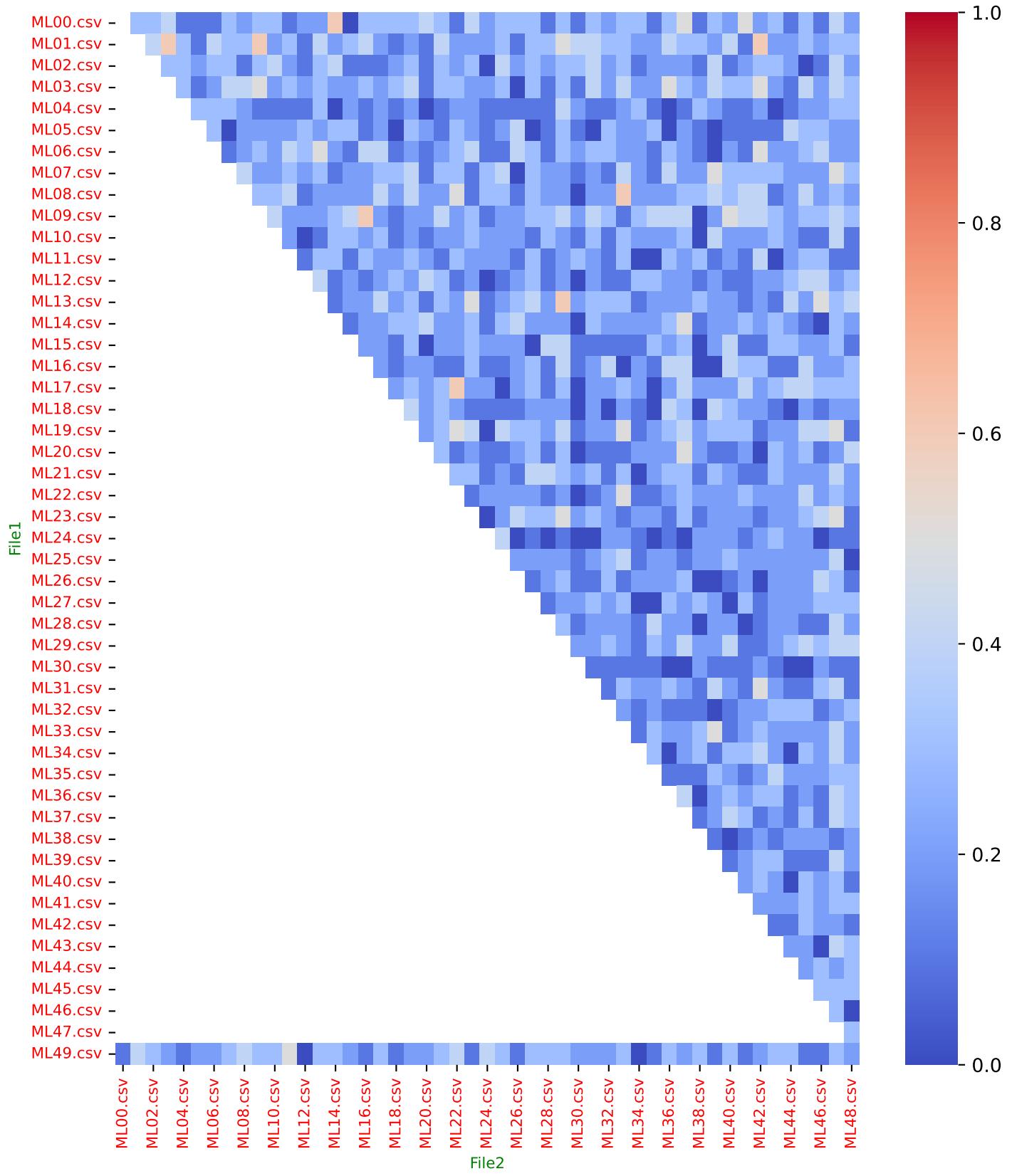


Implementation Number 163

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

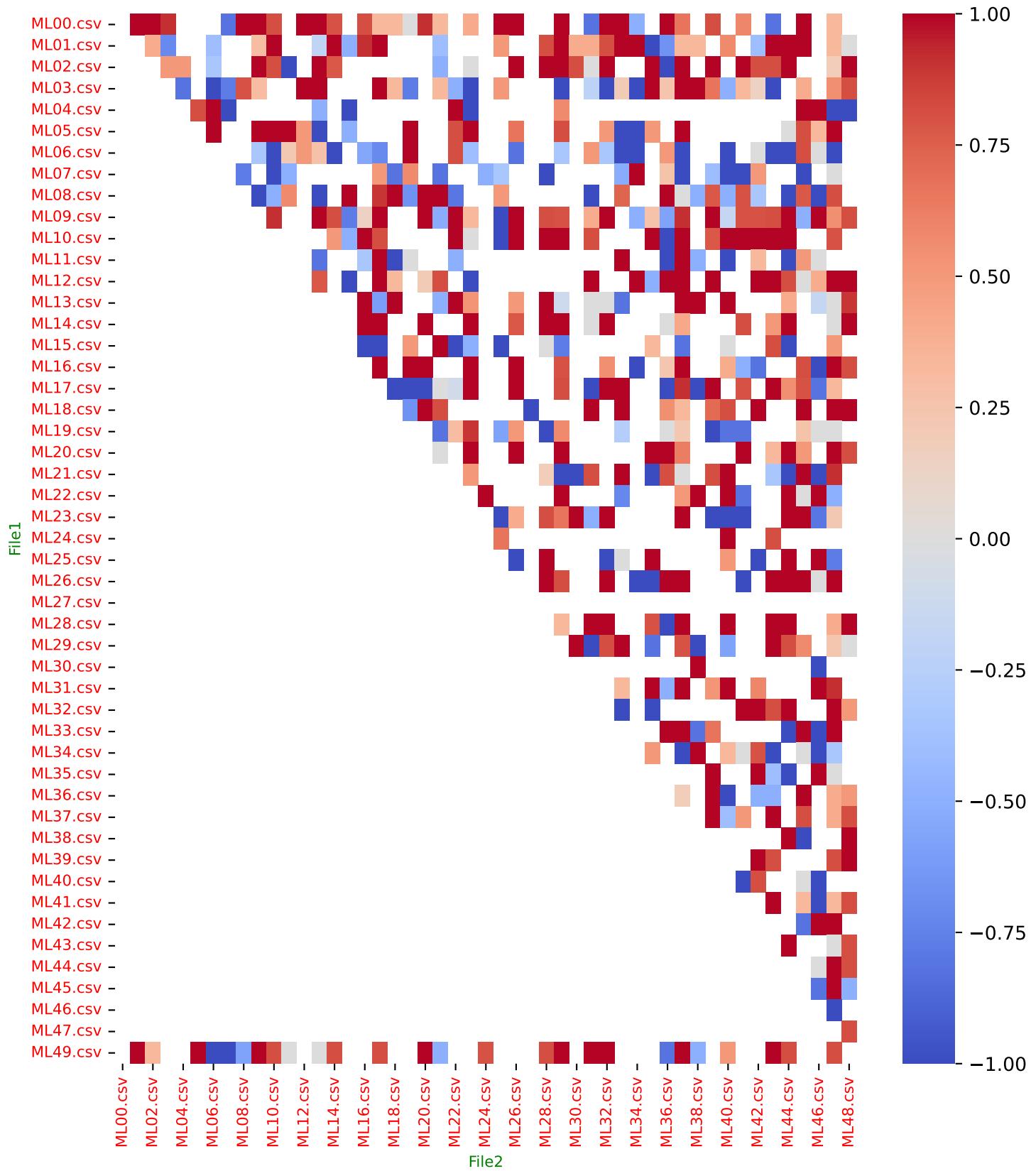


Implementation Number 163

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 164

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 20
Number of Files: 50

Implementation Number 164

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 164

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 164

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
060.00 %	BAKON_478	00, 01, 02, 03, 07, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 29, 30, 32, 33, 37, 38, 42, 44, 45, 48, 49
032.00 %	BAKON_571	00, 01, 07, 08, 09, 13, 17, 25, 26, 37, 39, 40, 41, 44, 45, 48
018.00 %	BAKON_126	00, 02, 03, 06, 09, 11, 12, 31, 39
032.00 %	BAKON_276	00, 09, 11, 12, 15, 18, 21, 24, 25, 26, 28, 39, 41, 42, 47, 49
056.00 %	BAKON_130	00, 02, 03, 04, 05, 06, 07, 09, 11, 12, 14, 17, 18, 23, 24, 25, 27, 28, 30, 33, 34, 36, 39, 40, 43, 45, 46, 49
012.00 %	BAKON_125	00, 11, 17, 23, 24, 25
070.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22, 23, 26, 27, 29, 31, 32, 34, 36, 37, 38, 40, 41, 43, 44, 48
010.00 %	BAKON_273	00, 08, 10, 22, 37
040.00 %	BAKON_133	00, 05, 08, 09, 12, 14, 18, 19, 20, 23, 24, 25, 28, 29, 32, 34, 39, 42, 45, 47
030.00 %	BAKON_470	00, 02, 07, 10, 16, 22, 29, 30, 31, 34, 36, 37, 40, 41, 44
014.00 %	BAKON_059	00, 14, 16, 28, 37, 42, 48
054.00 %	BAKON_085	00, 02, 03, 04, 07, 09, 10, 12, 13, 14, 17, 19, 20, 23, 24, 26, 28, 32, 34, 37, 40, 43, 44, 45, 46, 47, 49
016.00 %	BAKON_190	00, 03, 12, 14, 31, 34, 38, 48
036.00 %	BAKON_199	00, 10, 11, 13, 15, 17, 19, 24, 28, 29, 31, 32, 33, 42, 43, 47, 48, 49
006.00 %	BAKON_035	00, 04, 05
048.00 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 16, 17, 18, 20, 23, 24, 27, 30, 35, 38, 41, 42, 43, 46, 47, 48
008.00 %	BAKON_140	00, 07, 09, 30
002.00 %	BAKON_032	00
012.00 %	BAKON_191	00, 12, 19, 34, 47, 49
004.00 %	BAKON_037	00, 32

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Global node Presence Mean (Weighted): 31.27%

Implementation Number 164

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.0811	0.1500	0.0000	0.3333
ML49.csv	ML01.csv	0.1765	0.3000	0.9831	0.0962
ML49.csv	ML02.csv	0.1765	0.3000	0.0000	0.4811
ML49.csv	ML03.csv	0.1111	0.2000	0.0011	0.7746
ML49.csv	ML04.csv	0.1429	0.2500	0.0000	-1.0000
ML49.csv	ML05.csv	0.1111	0.2000	0.0000	-0.1826
ML49.csv	ML06.csv	0.2121	0.3500	0.1745	-0.4384
ML49.csv	ML07.csv	0.1111	0.2000	1.0000	-0.2582
ML49.csv	ML08.csv	0.2903	0.4500	0.0000	-0.1853
ML49.csv	ML09.csv	0.2121	0.3500	0.0000	-0.1260
ML49.csv	ML10.csv	0.2500	0.4000	0.0000	0.2275
ML49.csv	ML11.csv	0.2903	0.4500	0.0000	0.5769
ML49.csv	ML12.csv	0.1111	0.2000	0.0000	-0.4000
ML49.csv	ML13.csv	0.1765	0.3000	0.0000	0.4811
ML49.csv	ML14.csv	0.1111	0.2000	0.0000	0.9129
ML49.csv	ML15.csv	0.1111	0.2000	0.0000	0.2357
ML49.csv	ML16.csv	0.2121	0.3500	0.0123	0.0556
ML49.csv	ML17.csv	0.1765	0.3000	0.0000	0.1601
ML49.csv	ML18.csv	0.1765	0.3000	0.0000	0.2010
ML49.csv	ML19.csv	0.1429	0.2500	0.0000	-0.5040
ML49.csv	ML20.csv	0.0811	0.1500	0.0000	1.0000
ML49.csv	ML21.csv	0.1111	0.2000	0.0003	0.0000
ML49.csv	ML22.csv	0.2121	0.3500	0.0000	-0.6917
ML49.csv	ML23.csv	0.2500	0.4000	0.0000	-0.1396
ML49.csv	ML24.csv	0.1429	0.2500	0.8320	0.8018
ML49.csv	ML25.csv	0.1111	0.2000	0.0000	0.5164
ML49.csv	ML26.csv	0.1111	0.2000	0.0000	0.1826
ML49.csv	ML27.csv	0.2121	0.3500	0.0040	0.1633
ML49.csv	ML28.csv	0.1429	0.2500	0.1745	0.7143
ML49.csv	ML29.csv	0.1429	0.2500	0.3356	0.2673
ML49.csv	ML30.csv	0.1429	0.2500	0.0000	-0.1768
ML49.csv	ML31.csv	0.1765	0.3000	0.0000	0.6396
ML49.csv	ML32.csv	0.0811	0.1500	0.0000	0.8165
ML49.csv	ML33.csv	0.2121	0.3500	0.8320	0.5071
ML49.csv	ML34.csv	0.0256	0.0500	0.0000	nan

Implementation Number 164

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.0811	0.1500	0.0000	nan
ML49.csv	ML36.csv	0.2121	0.3500	0.0040	0.1421
ML49.csv	ML37.csv	0.1111	0.2000	0.0000	0.5477
ML49.csv	ML38.csv	0.1429	0.2500	0.0000	-0.7500
ML49.csv	ML39.csv	0.1429	0.2500	0.0000	-0.4082
ML49.csv	ML40.csv	0.1429	0.2500	0.0000	-0.1361
ML49.csv	ML41.csv	0.1765	0.3000	0.0811	-0.5017
ML49.csv	ML42.csv	0.1429	0.2500	0.0000	0.6667
ML49.csv	ML43.csv	0.1429	0.2500	0.0000	0.8367
ML49.csv	ML44.csv	0.1429	0.2500	0.0000	0.4286
ML49.csv	ML45.csv	0.0811	0.1500	0.0000	-0.5000
ML49.csv	ML46.csv	0.1765	0.3000	0.3356	-0.1672
ML49.csv	ML47.csv	0.2121	0.3500	0.0000	0.4706
ML49.csv	ML48.csv	0.1765	0.3000	0.0000	0.5854
ML00.csv	ML01.csv	0.2500	0.4000	0.0000	0.1334

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1788

Fleiss' Kappa Agreement Index (κ_F): 0.1788

Mean KS Distance Between Pairs (D): 0.8352

Mean p-value for KS Test Pairs: 0.0687

Mean KS Distance for Multiple Samples (D_{mult}): 0.5997

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0015

Mean Kendall Tau ($\bar{\tau}$): 0.1895

Median Kendall Tau ($\tilde{\tau}$): 0.2315

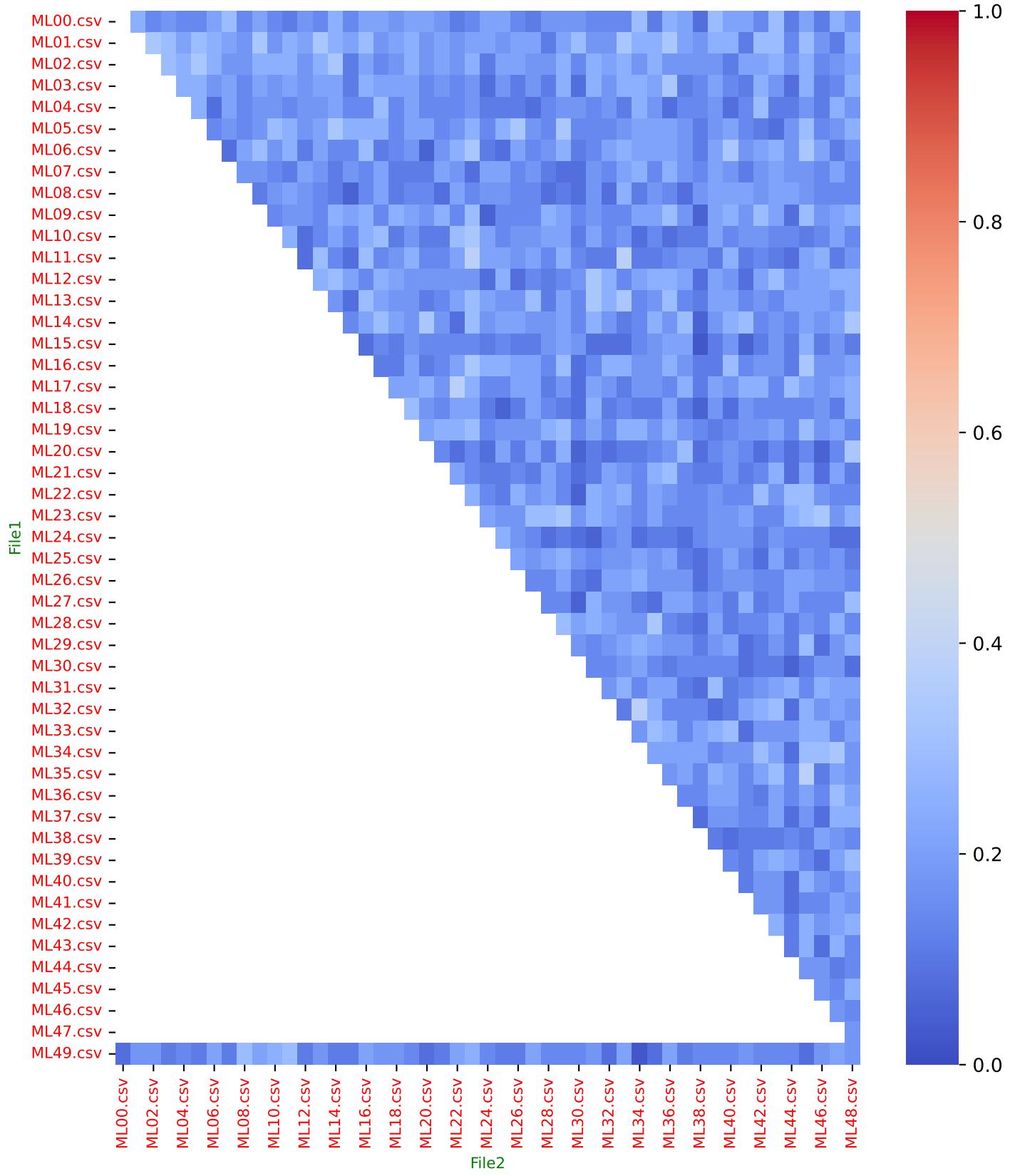
Percentage of Pairs with $\tau > 0$: 62.78%

Implementation Number 164

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

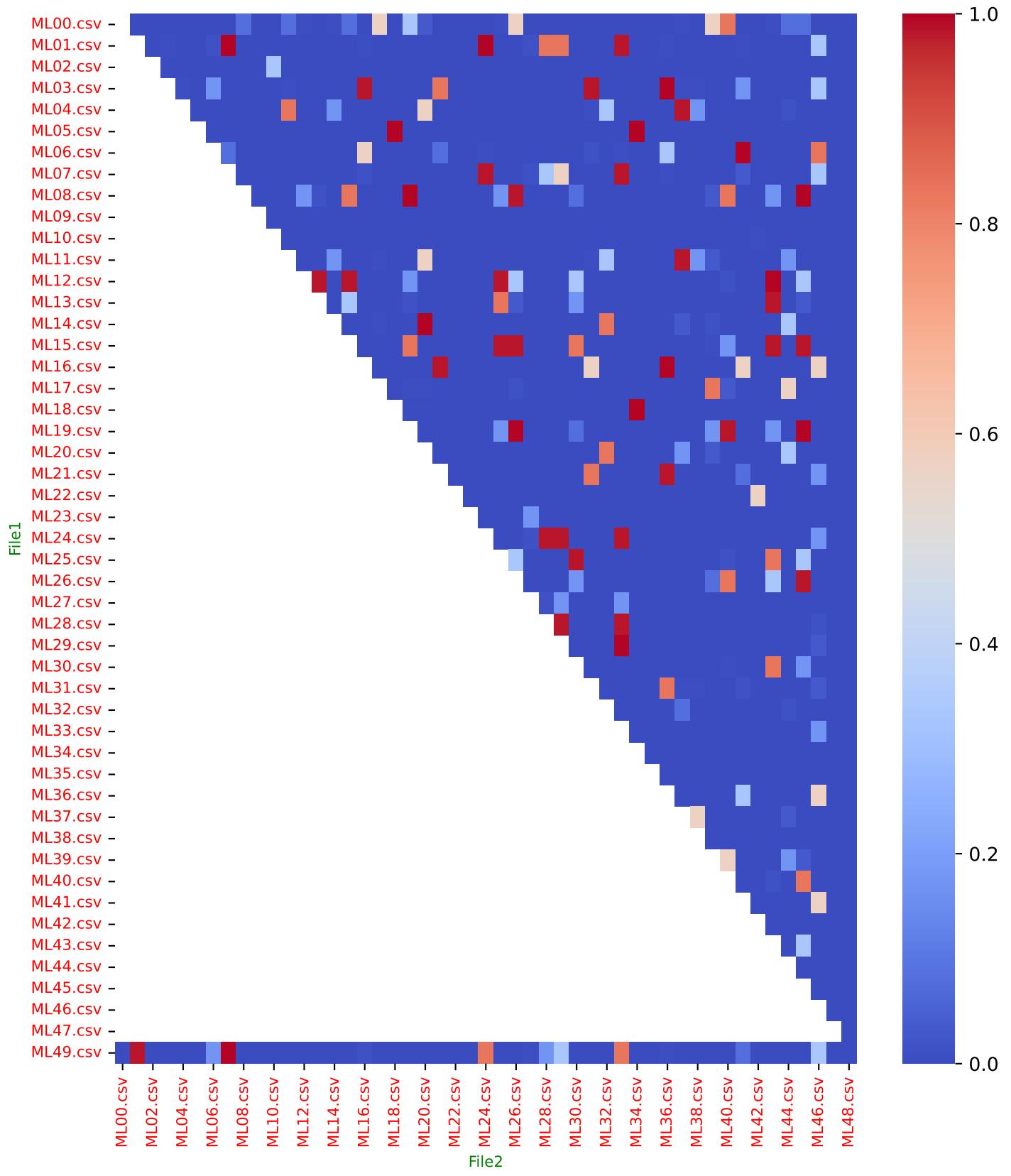


Implementation Number 164

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

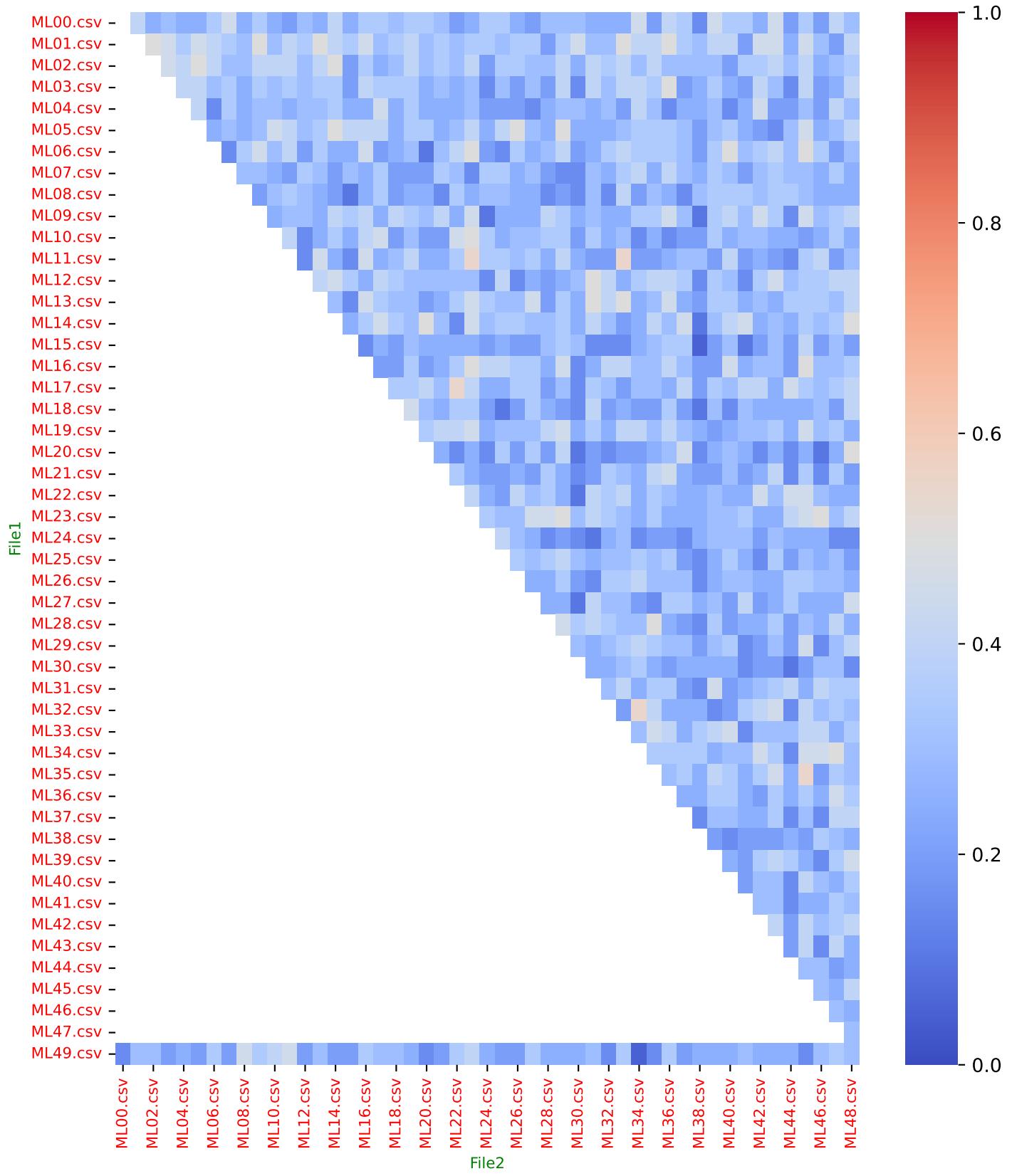


Implementation Number 164

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

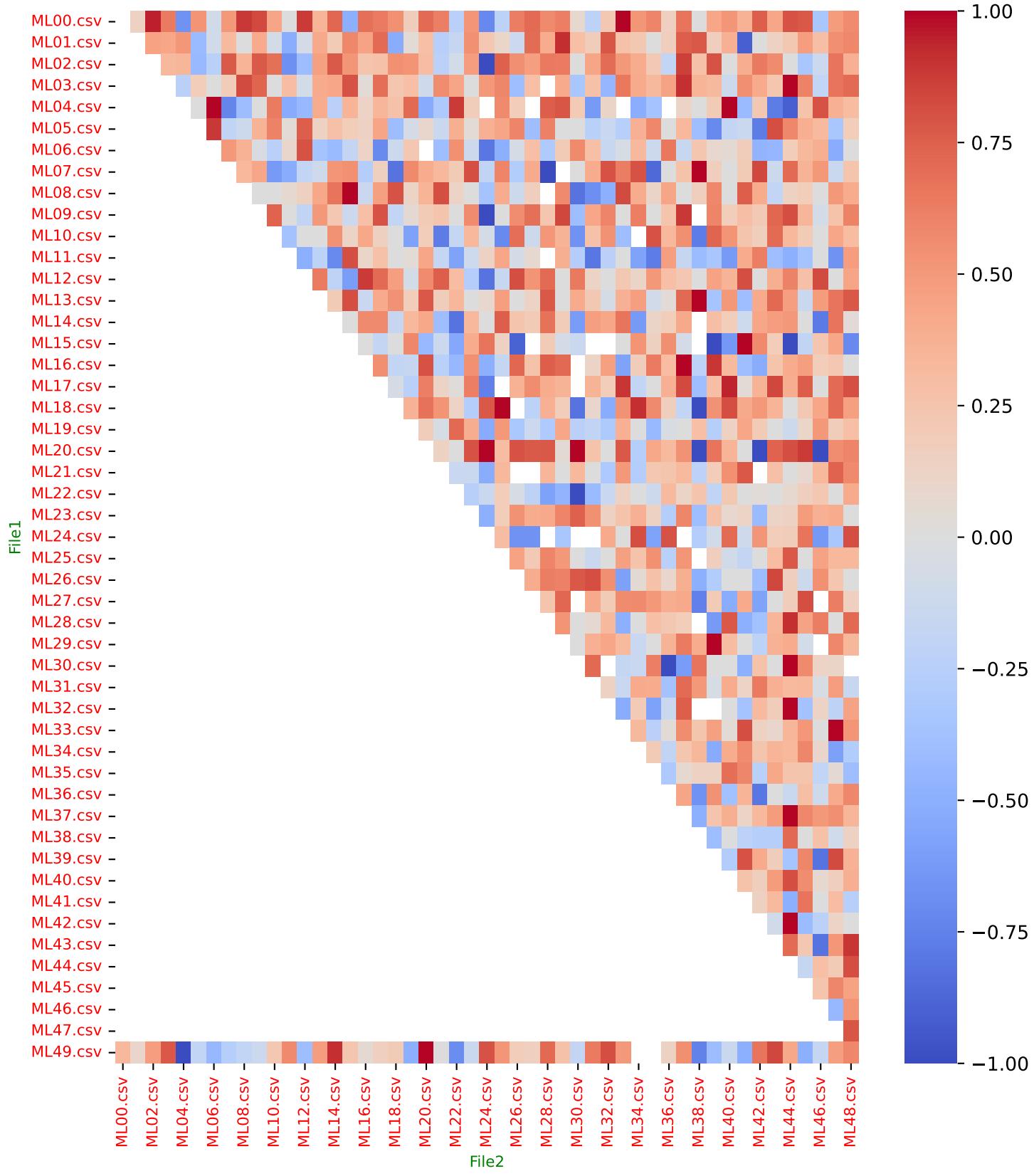


Implementation Number 164

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 165

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 30
Number of Files: 50

Implementation Number 165

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 165

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 165

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
068.00 %	BAKON_478	00, 01, 02, 03, 04, 07, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 32, 33, 35, 37, 38, 42, 44, 45, 46, 48, 49
038.00 %	BAKON_571	00, 01, 07, 08, 09, 13, 14, 17, 22, 25, 26, 32, 37, 39, 40, 41, 44, 45, 48
034.00 %	BAKON_126	00, 02, 03, 04, 06, 07, 09, 11, 12, 15, 16, 27, 31, 37, 39, 43, 49
048.00 %	BAKON_276	00, 01, 05, 07, 08, 09, 11, 12, 15, 18, 21, 24, 25, 26, 28, 32, 33, 35, 36, 39, 41, 42, 47, 49
070.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 09, 11, 12, 14, 15, 17, 18, 23, 24, 25, 27, 28, 30, 33, 34, 35, 36, 38, 39, 40, 41, 42, 43, 45, 46, 47, 49
020.00 %	BAKON_125	00, 04, 11, 12, 17, 19, 23, 24, 25, 49
078.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 29, 31, 32, 34, 36, 37, 38, 40, 41, 42, 43, 44, 46, 48, 49
020.00 %	BAKON_273	00, 08, 10, 12, 14, 22, 23, 31, 37, 39
052.00 %	BAKON_133	00, 01, 02, 05, 08, 09, 12, 14, 15, 17, 18, 19, 20, 23, 24, 25, 28, 29, 30, 32, 34, 39, 41, 42, 45, 47
042.00 %	BAKON_470	00, 01, 02, 07, 10, 16, 17, 21, 22, 29, 30, 31, 34, 36, 37, 40, 41, 44, 47, 48, 49
018.00 %	BAKON_059	00, 14, 16, 22, 28, 37, 42, 43, 48
064.00 %	BAKON_085	00, 02, 03, 04, 07, 09, 10, 11, 12, 13, 14, 17, 19, 20, 21, 22, 23, 24, 26, 28, 31, 32, 34, 37, 40, 41, 43, 44, 45, 46, 47, 49
034.00 %	BAKON_190	00, 01, 03, 06, 12, 14, 19, 20, 26, 29, 30, 31, 34, 38, 45, 46, 48
040.00 %	BAKON_199	00, 10, 11, 13, 15, 17, 19, 23, 24, 28, 29, 31, 32, 33, 42, 43, 44, 47, 48, 49
012.00 %	BAKON_035	00, 03, 04, 05, 12, 22
058.00 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 13, 14, 16, 17, 18, 20, 23, 24, 27, 29, 30, 32, 33, 35, 38, 41, 42, 43, 46, 47, 48
014.00 %	BAKON_140	00, 07, 09, 13, 30, 44, 46
006.00 %	BAKON_032	00, 05, 17
014.00 %	BAKON_191	00, 06, 12, 19, 34, 47, 49

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Global node Presence Mean (Weighted): 36.77%

Implementation Number 165

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	K_S_p	Kendall
ML49.csv	ML00.csv	0.2245	0.3667	0.0000	0.1221
ML49.csv	ML01.csv	0.2000	0.3333	0.5941	0.2390
ML49.csv	ML02.csv	0.2245	0.3667	0.0000	0.4534
ML49.csv	ML03.csv	0.1538	0.2667	0.0009	-0.3185
ML49.csv	ML04.csv	0.1765	0.3000	0.0000	-0.0818
ML49.csv	ML05.csv	0.2500	0.4000	0.0000	0.1489
ML49.csv	ML06.csv	0.2000	0.3333	0.3929	-0.5067
ML49.csv	ML07.csv	0.1538	0.2667	0.3929	0.4187
ML49.csv	ML08.csv	0.1765	0.3000	0.0000	-0.1853
ML49.csv	ML09.csv	0.2000	0.3333	0.0000	0.0942
ML49.csv	ML10.csv	0.2245	0.3667	0.0000	0.1522
ML49.csv	ML11.csv	0.3043	0.4667	0.0000	0.4783
ML49.csv	ML12.csv	0.2245	0.3667	0.0000	-0.2957
ML49.csv	ML13.csv	0.2245	0.3667	0.0000	0.0472
ML49.csv	ML14.csv	0.2766	0.4333	0.0000	0.2660
ML49.csv	ML15.csv	0.2000	0.3333	0.0000	0.0574
ML49.csv	ML16.csv	0.2766	0.4333	0.0009	-0.0170
ML49.csv	ML17.csv	0.1765	0.3000	0.0000	0.4234
ML49.csv	ML18.csv	0.1765	0.3000	0.0000	0.0456
ML49.csv	ML19.csv	0.1765	0.3000	0.0000	0.0000
ML49.csv	ML20.csv	0.2000	0.3333	0.0000	0.3287
ML49.csv	ML21.csv	0.2500	0.4000	0.0000	0.0000
ML49.csv	ML22.csv	0.2766	0.4333	0.0000	-0.0932
ML49.csv	ML23.csv	0.2766	0.4333	0.0000	0.1855
ML49.csv	ML24.csv	0.1538	0.2667	0.3929	0.2227
ML49.csv	ML25.csv	0.2000	0.3333	0.0000	0.3233
ML49.csv	ML26.csv	0.1765	0.3000	0.0000	-0.1437
ML49.csv	ML27.csv	0.2245	0.3667	0.0000	0.5413
ML49.csv	ML28.csv	0.1765	0.3000	0.1350	0.5808
ML49.csv	ML29.csv	0.2500	0.4000	0.0156	0.0717
ML49.csv	ML30.csv	0.2245	0.3667	0.0000	-0.3241
ML49.csv	ML31.csv	0.2500	0.4000	0.0000	0.1306
ML49.csv	ML32.csv	0.1538	0.2667	0.0000	0.2010
ML49.csv	ML33.csv	0.1765	0.3000	0.0156	0.6261
ML49.csv	ML34.csv	0.1538	0.2667	0.0000	-0.5145

Implementation Number 165

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.1538	0.2667	0.0000	-0.5151
ML49.csv	ML36.csv	0.2000	0.3333	0.0346	-0.0549
ML49.csv	ML37.csv	0.1538	0.2667	0.0000	0.1903
ML49.csv	ML38.csv	0.2000	0.3333	0.0000	0.4000
ML49.csv	ML39.csv	0.1321	0.2333	0.0000	0.3571
ML49.csv	ML40.csv	0.2245	0.3667	0.0000	0.0000
ML49.csv	ML41.csv	0.1765	0.3000	0.0709	-0.3079
ML49.csv	ML42.csv	0.1538	0.2667	0.0000	0.0000
ML49.csv	ML43.csv	0.2000	0.3333	0.0000	0.5522
ML49.csv	ML44.csv	0.1765	0.3000	0.0000	0.2765
ML49.csv	ML45.csv	0.2500	0.4000	0.0000	0.0000
ML49.csv	ML46.csv	0.2500	0.4000	0.3929	-0.3852
ML49.csv	ML47.csv	0.2245	0.3667	0.0000	0.3008
ML49.csv	ML48.csv	0.2766	0.4333	0.0000	0.2124
ML00.csv	ML01.csv	0.3043	0.4667	0.0000	0.3000

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2184

Fleiss' Kappa Agreement Index (κ_F): 0.2213

Mean KS Distance Between Pairs (D): 0.8239

Mean p-value for KS Test Pairs: 0.0547

Mean KS Distance for Multiple Samples (D_{mult}): 0.5982

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0001

Mean Kendall Tau ($\bar{\tau}$): 0.1858

Median Kendall Tau ($\tilde{\tau}$): 0.2002

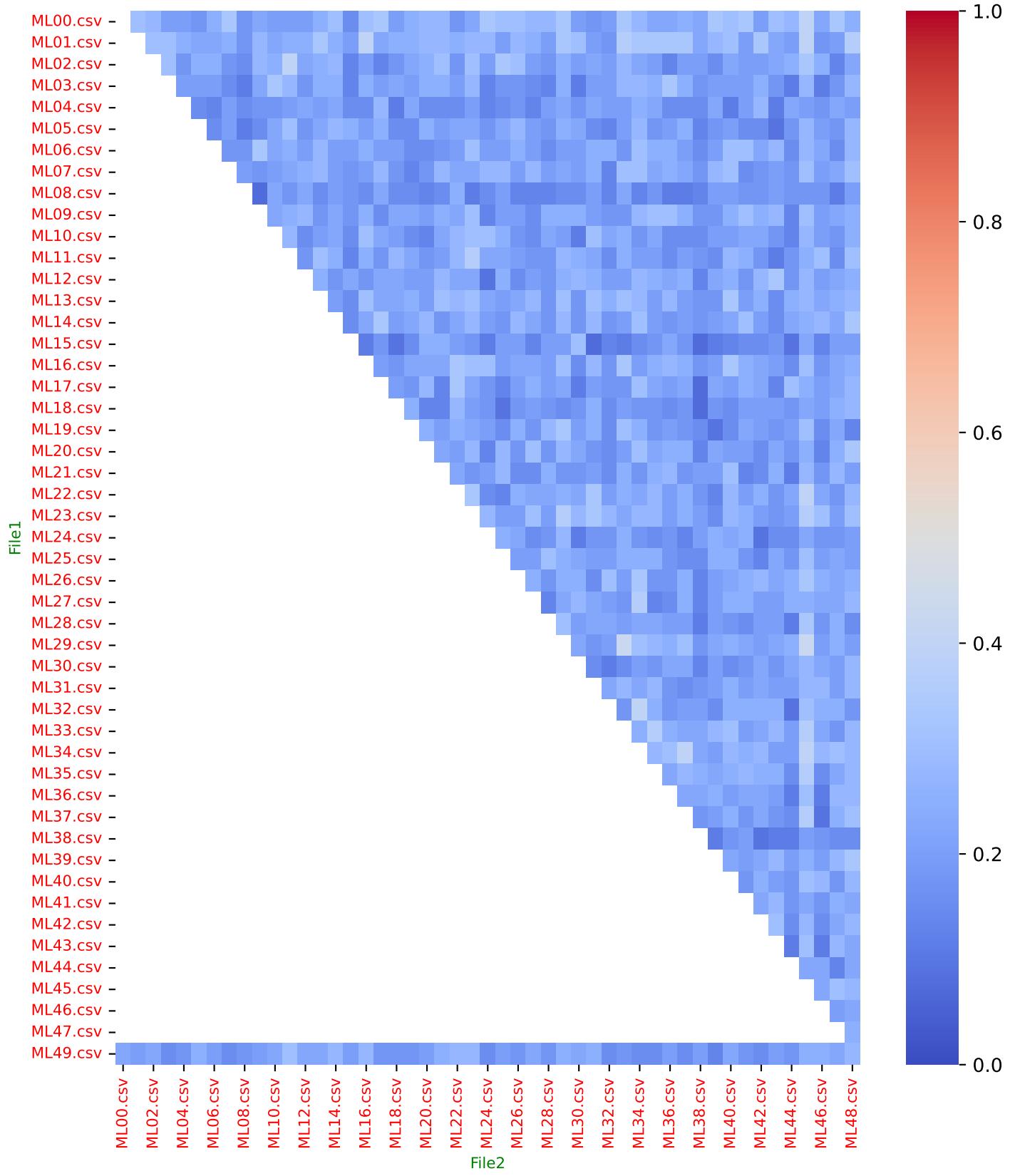
Percentage of Pairs with $\tau > 0$: 73.22%

Implementation Number 165

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

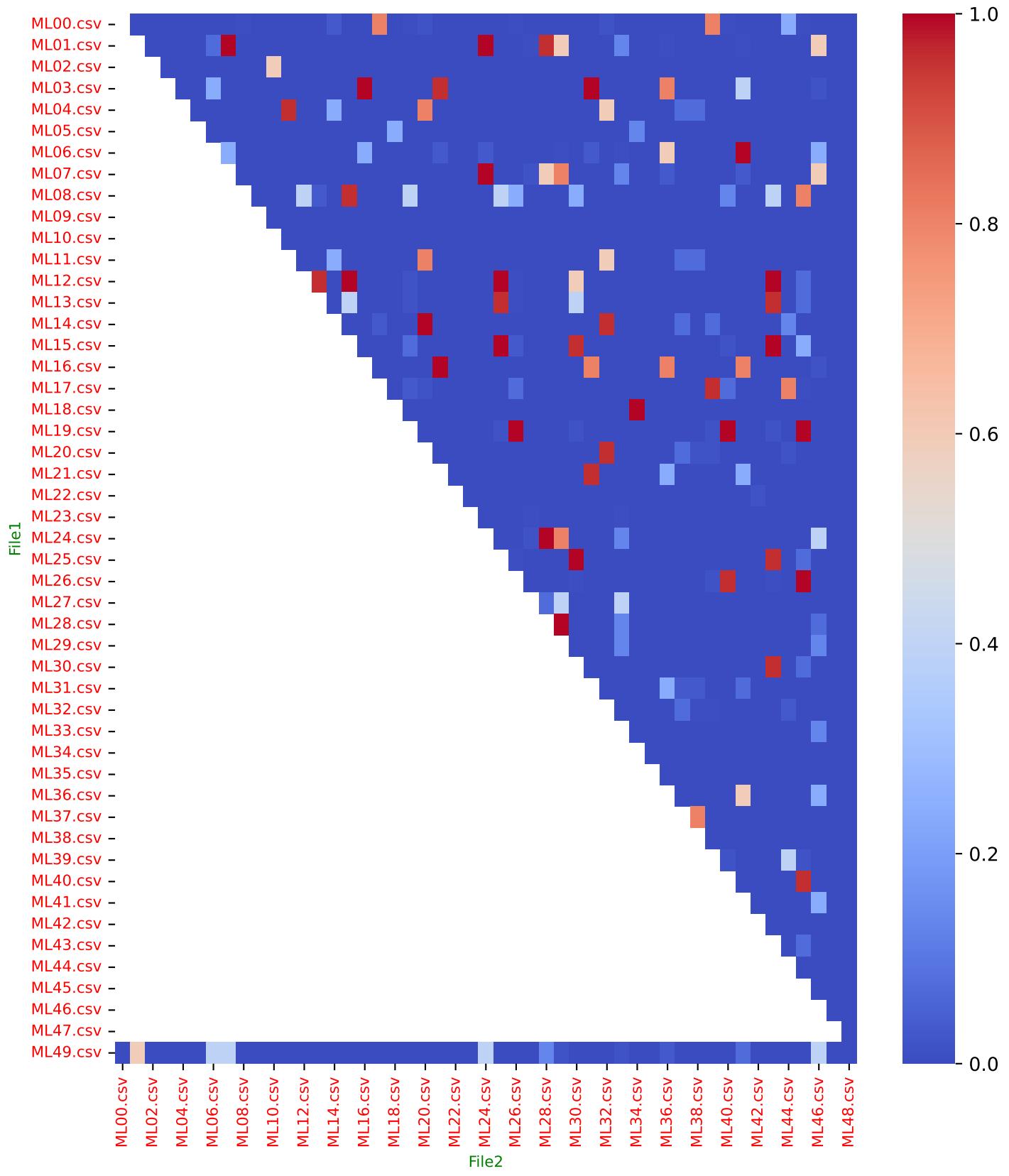


Implementation Number 165

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

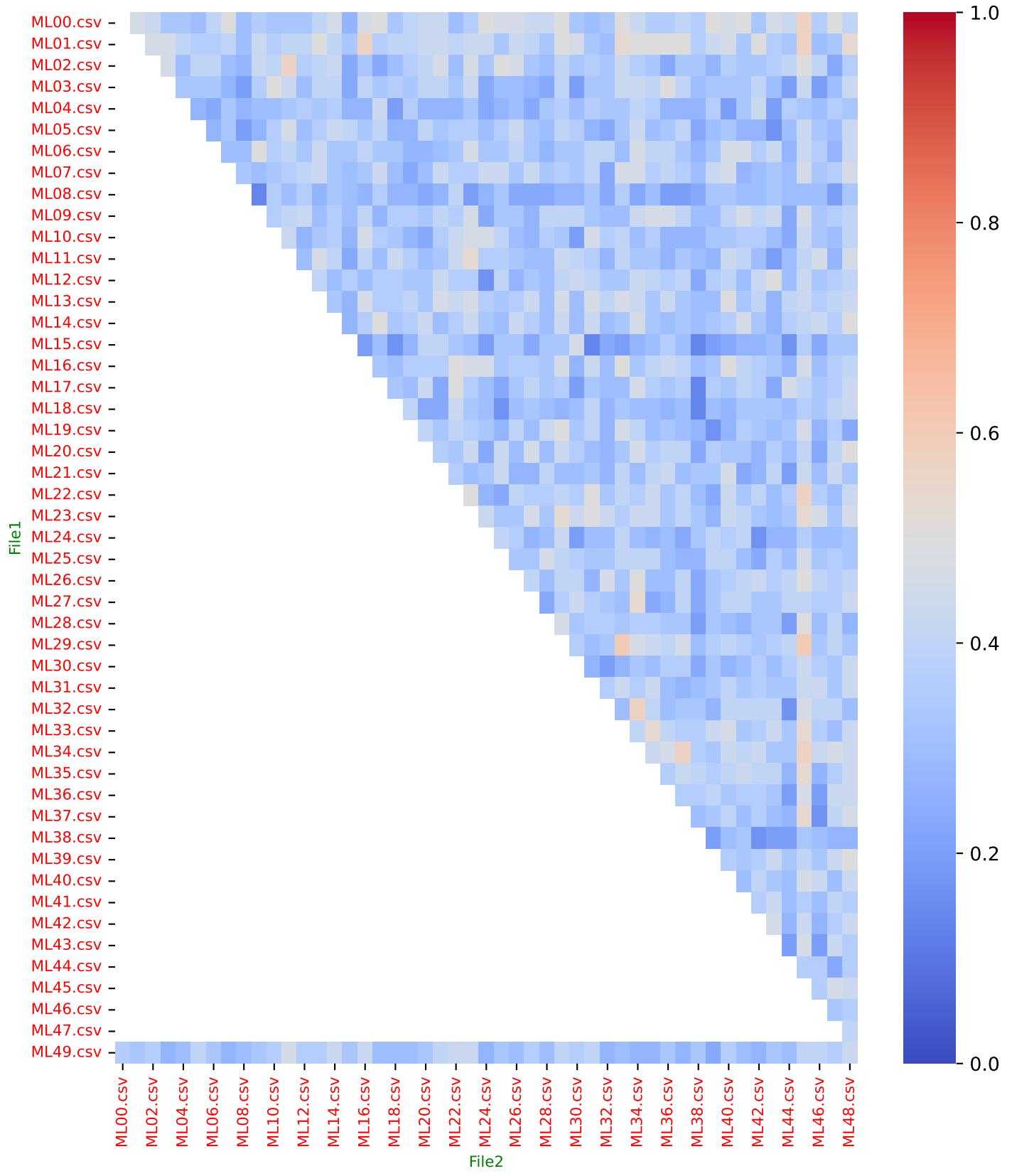


Implementation Number 165

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

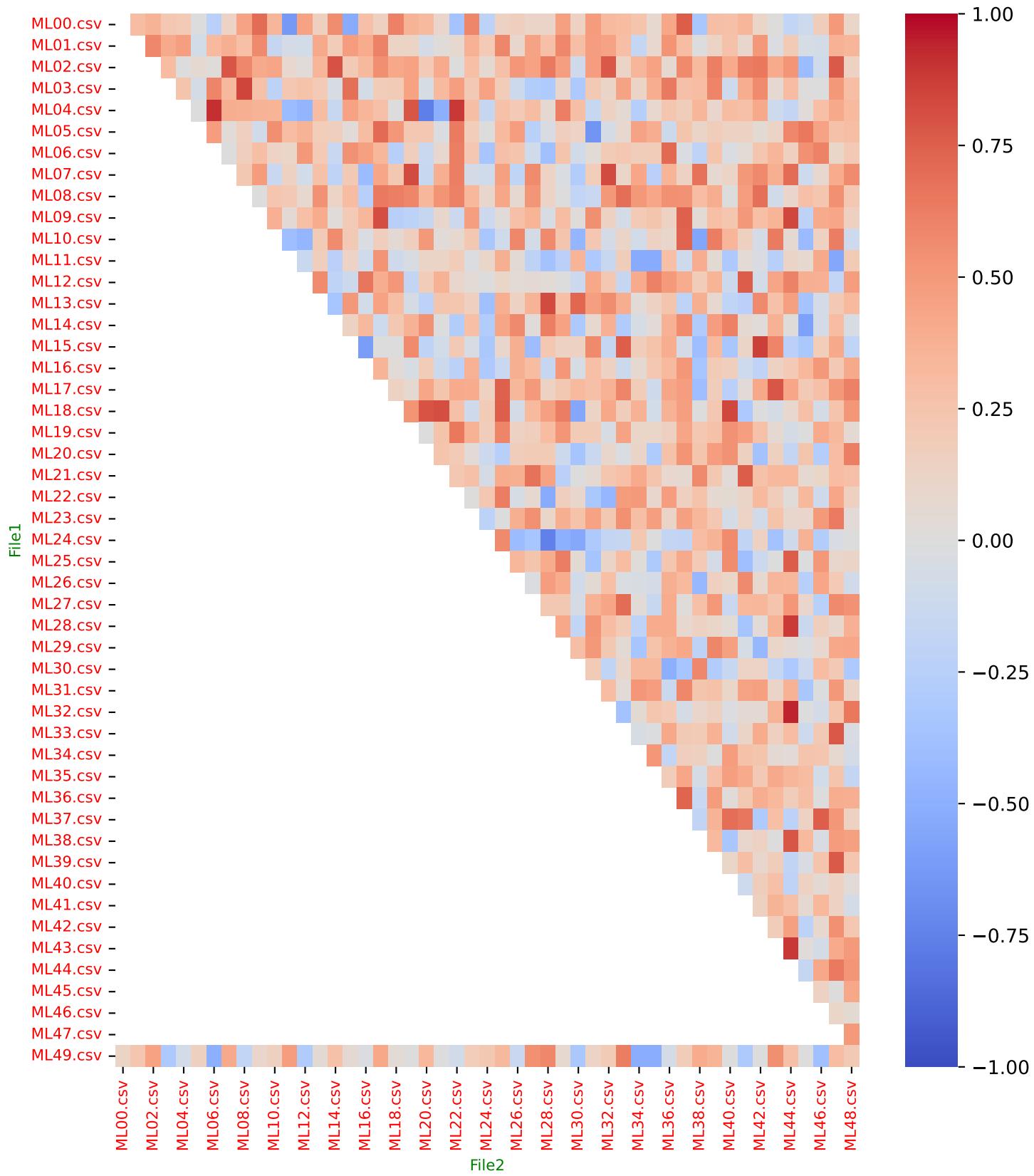


Implementation Number 165

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 166

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 50
Number of Files: 50

Implementation Number 166

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 166

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 166

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
078.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 07, 10, 11, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 32, 33, 34, 35, 37, 38, 40, 42, 43, 44, 45, 46, 47, 48, 49
052.00 %	BAKON_571	00, 01, 06, 07, 08, 09, 11, 13, 14, 17, 18, 22, 25, 26, 28, 31, 32, 35, 37, 39, 40, 41, 42, 44, 45, 48
050.00 %	BAKON_126	00, 02, 03, 04, 06, 07, 09, 11, 12, 15, 16, 19, 20, 24, 27, 29, 31, 34, 37, 39, 40, 41, 43, 47, 49
074.00 %	BAKON_276	00, 01, 02, 05, 07, 08, 09, 10, 11, 12, 15, 16, 17, 18, 19, 21, 24, 25, 26, 28, 30, 32, 33, 34, 35, 36, 37, 39, 41, 42, 43, 44, 45, 46, 47, 48, 49
076.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 14, 15, 17, 18, 20, 23, 24, 25, 27, 28, 29, 30, 33, 34, 35, 36, 38, 39, 40, 41, 42, 43, 45, 46, 47, 49
034.00 %	BAKON_125	00, 04, 11, 12, 14, 17, 18, 19, 23, 24, 25, 27, 31, 32, 33, 42, 49
084.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 29, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 48, 49
038.00 %	BAKON_273	00, 04, 08, 10, 11, 12, 13, 14, 16, 18, 20, 22, 23, 24, 28, 31, 37, 39, 48
068.00 %	BAKON_133	00, 01, 02, 03, 05, 06, 07, 08, 09, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29, 30, 32, 34, 35, 39, 41, 42, 45, 46, 47, 48
064.00 %	BAKON_470	00, 01, 02, 03, 05, 07, 08, 10, 15, 16, 17, 19, 21, 22, 23, 25, 27, 29, 30, 31, 32, 34, 36, 37, 38, 40, 41, 42, 44, 47, 48, 49
030.00 %	BAKON_059	00, 02, 08, 14, 16, 19, 22, 26, 28, 37, 40, 42, 43, 48, 49
082.00 %	BAKON_085	00, 01, 02, 03, 04, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 31, 32, 33, 34, 35, 37, 39, 40, 41, 43, 44, 45, 46, 47, 49
060.00 %	BAKON_190	00, 01, 02, 03, 05, 06, 07, 09, 12, 14, 15, 17, 19, 20, 25, 26, 29, 30, 31, 33, 34, 36, 37, 38, 41, 43, 45, 46, 48, 49
060.00 %	BAKON_199	00, 02, 03, 06, 07, 10, 11, 12, 13, 14, 15, 16, 17, 19, 23, 24, 25, 27, 28, 29, 31, 32, 33, 38, 42, 43, 44, 47, 48, 49
026.00 %	BAKON_035	00, 03, 04, 05, 07, 11, 12, 18, 22, 28, 38, 39, 49
070.00 %	BAKON_087	00, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 27, 29, 30, 31, 32, 33, 35, 38, 40, 41, 42, 43, 44, 46, 47, 48

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Global node Presence Mean (Weighted): 46.06%

Implementation Number 166

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.2821	0.4400	0.0000	0.2753
ML49.csv	ML01.csv	0.3514	0.5200	0.8693	0.2005
ML49.csv	ML02.csv	0.3158	0.4800	0.0000	0.2886
ML49.csv	ML03.csv	0.2500	0.4000	0.0002	0.0674
ML49.csv	ML04.csv	0.3333	0.5000	0.0000	0.1852
ML49.csv	ML05.csv	0.2987	0.4600	0.0000	0.0509
ML49.csv	ML06.csv	0.2987	0.4600	0.7166	0.1203
ML49.csv	ML07.csv	0.2500	0.4000	0.3959	0.1789
ML49.csv	ML08.csv	0.2658	0.4200	0.0000	0.4405
ML49.csv	ML09.csv	0.2658	0.4200	0.0000	0.1274
ML49.csv	ML10.csv	0.3333	0.5000	0.0000	0.2000
ML49.csv	ML11.csv	0.3514	0.5200	0.0000	0.3334
ML49.csv	ML12.csv	0.2821	0.4400	0.0000	-0.0118
ML49.csv	ML13.csv	0.3514	0.5200	0.0000	0.1890
ML49.csv	ML14.csv	0.2821	0.4400	0.0000	0.1388
ML49.csv	ML15.csv	0.2658	0.4200	0.0000	-0.1904
ML49.csv	ML16.csv	0.3158	0.4800	0.0002	0.1429
ML49.csv	ML17.csv	0.2821	0.4400	0.0000	0.3868
ML49.csv	ML18.csv	0.2500	0.4000	0.0000	-0.0798
ML49.csv	ML19.csv	0.2821	0.4400	0.0000	-0.0226
ML49.csv	ML20.csv	0.2658	0.4200	0.0000	0.0803
ML49.csv	ML21.csv	0.2987	0.4600	0.0006	0.3181
ML49.csv	ML22.csv	0.3333	0.5000	0.0000	0.3065
ML49.csv	ML23.csv	0.2987	0.4600	0.0000	0.0955
ML49.csv	ML24.csv	0.2658	0.4200	0.7166	0.2351
ML49.csv	ML25.csv	0.2658	0.4200	0.0000	0.4378
ML49.csv	ML26.csv	0.2500	0.4000	0.0000	0.1289
ML49.csv	ML27.csv	0.2500	0.4000	0.0000	0.2995
ML49.csv	ML28.csv	0.3514	0.5200	0.2719	0.0420
ML49.csv	ML29.csv	0.3158	0.4800	0.0013	0.0937
ML49.csv	ML30.csv	0.2987	0.4600	0.0000	-0.2433
ML49.csv	ML31.csv	0.3333	0.5000	0.0002	0.1044
ML49.csv	ML32.csv	0.3158	0.4800	0.0000	0.0147
ML49.csv	ML33.csv	0.2500	0.4000	0.0000	-0.1101
ML49.csv	ML34.csv	0.3514	0.5200	0.0000	-0.1512

Implementation Number 166

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.2195	0.3600	0.0000	0.0602
ML49.csv	ML36.csv	0.2821	0.4400	0.0392	0.2459
ML49.csv	ML37.csv	0.2658	0.4200	0.0000	0.1598
ML49.csv	ML38.csv	0.2987	0.4600	0.0000	0.0279
ML49.csv	ML39.csv	0.2500	0.4000	0.0000	0.0459
ML49.csv	ML40.csv	0.2500	0.4000	0.0000	0.2282
ML49.csv	ML41.csv	0.2346	0.3800	0.0028	0.1630
ML49.csv	ML42.csv	0.2346	0.3800	0.0000	-0.1622
ML49.csv	ML43.csv	0.2048	0.3400	0.0000	0.2233
ML49.csv	ML44.csv	0.2658	0.4200	0.0000	0.4709
ML49.csv	ML45.csv	0.2821	0.4400	0.0000	-0.2009
ML49.csv	ML46.csv	0.2658	0.4200	0.3959	-0.0349
ML49.csv	ML47.csv	0.2821	0.4400	0.0000	0.1425
ML49.csv	ML48.csv	0.3514	0.5200	0.0000	0.1411
ML00.csv	ML01.csv	0.4286	0.6000	0.0000	0.2718

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2916

Fleiss' Kappa Agreement Index (κ_F): 0.2905

Mean KS Distance Between Pairs (D): 0.8046

Mean p-value for KS Test Pairs: 0.0532

Mean KS Distance for Multiple Samples (D_{mult}): 0.5825

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000

Mean Kendall Tau ($\bar{\tau}$): 0.1849

Median Kendall Tau ($\tilde{\tau}$): 0.1960

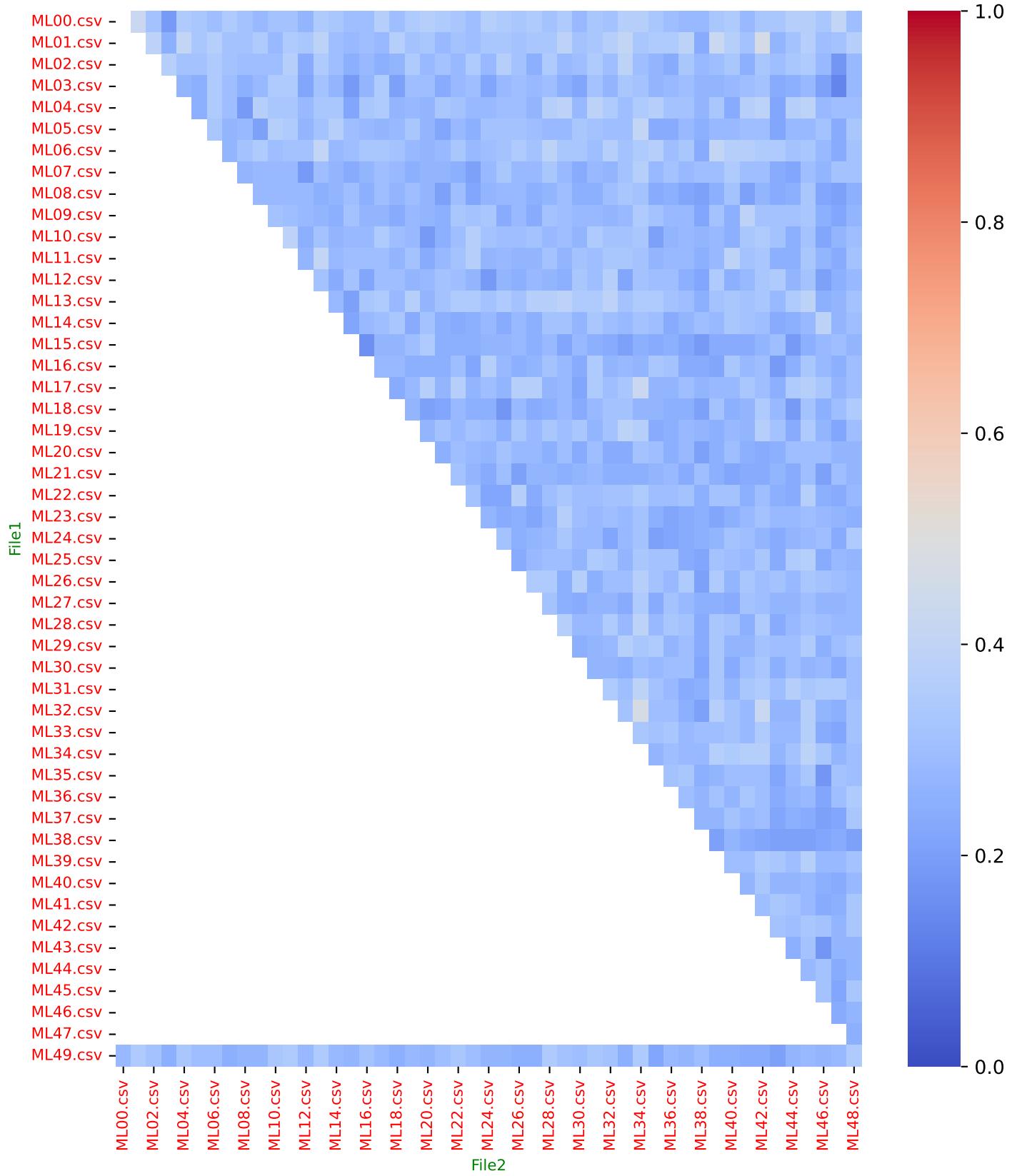
Percentage of Pairs with $\tau > 0$: 82.37%

Implementation Number 166

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

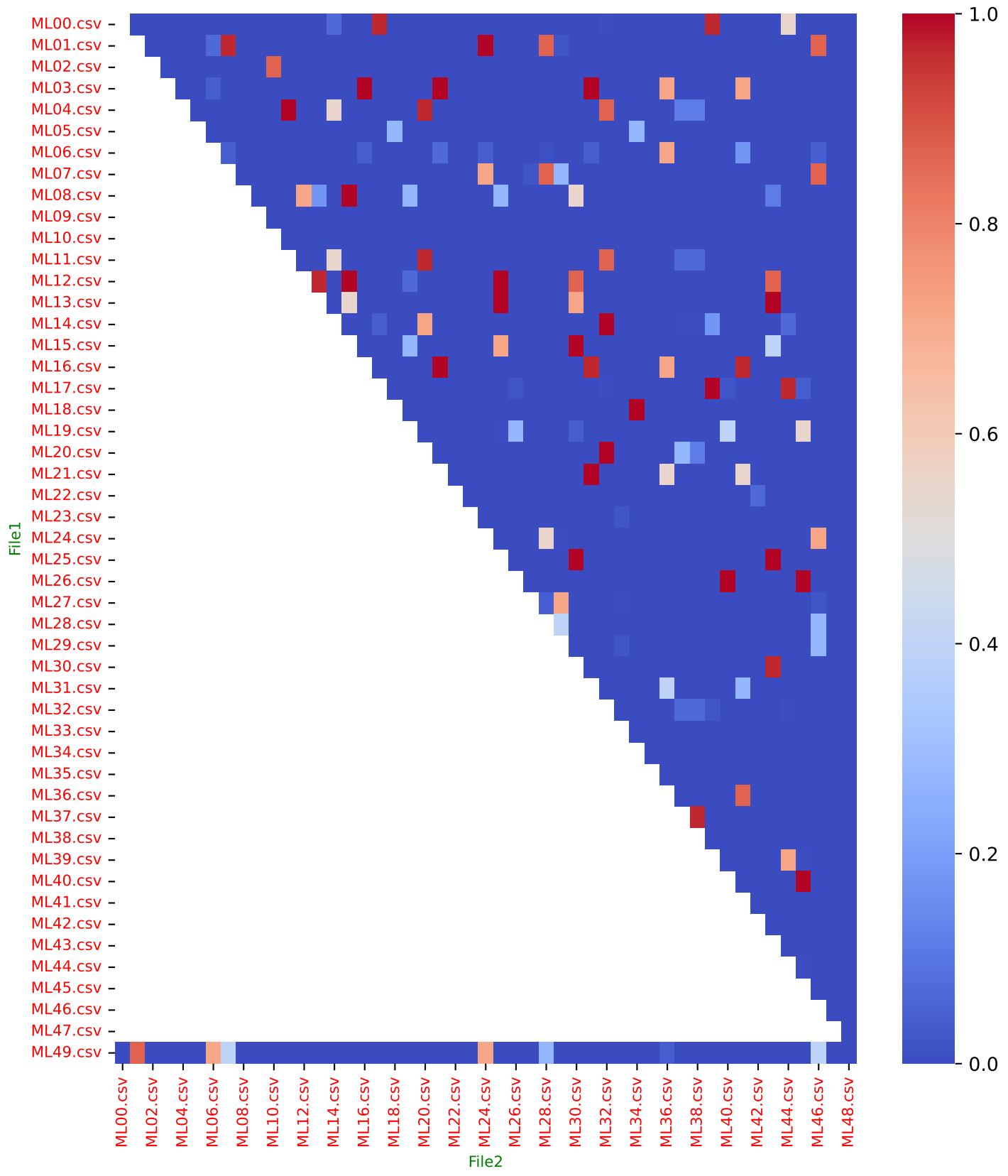


Implementation Number 166

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

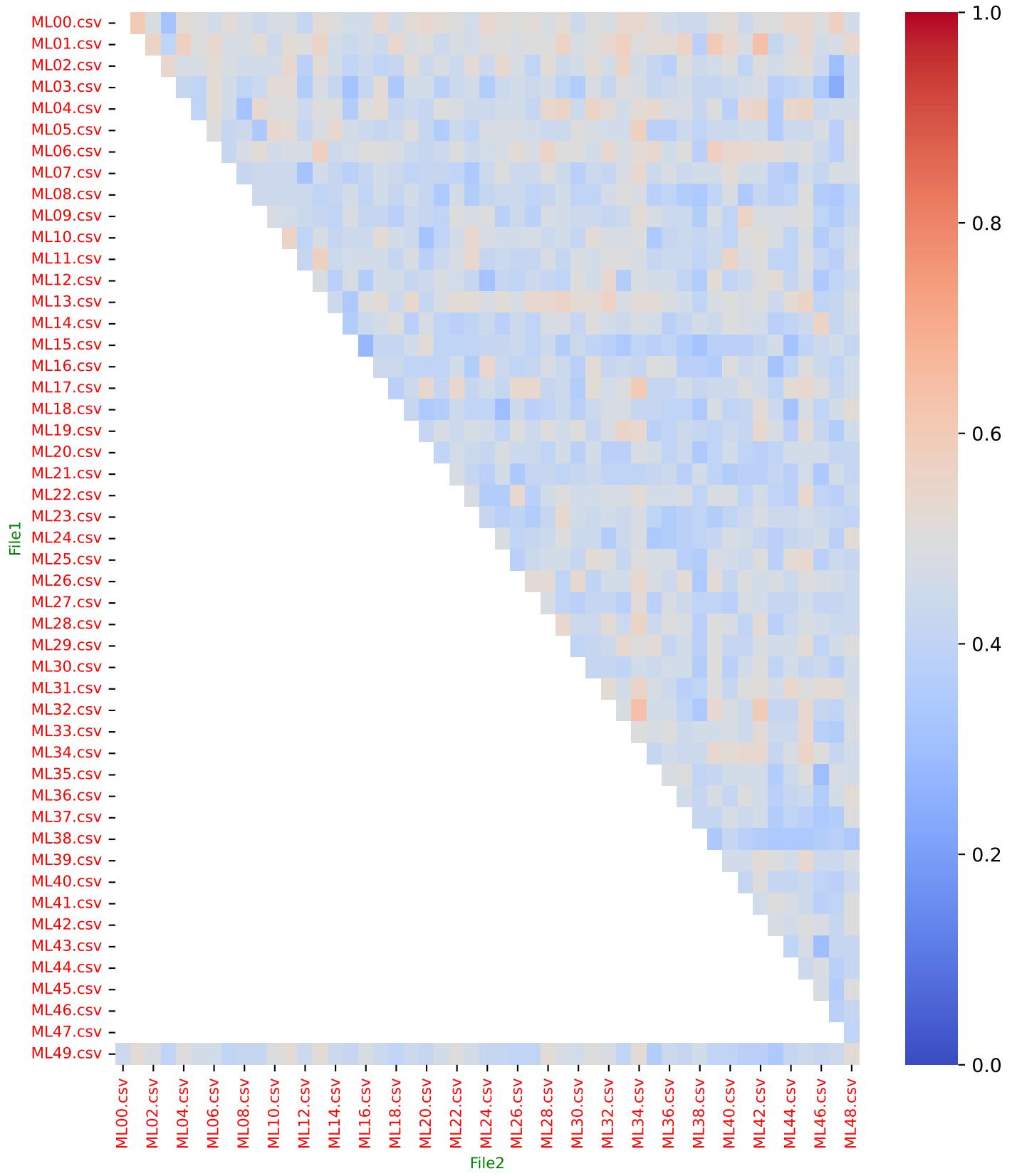


Implementation Number 166

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

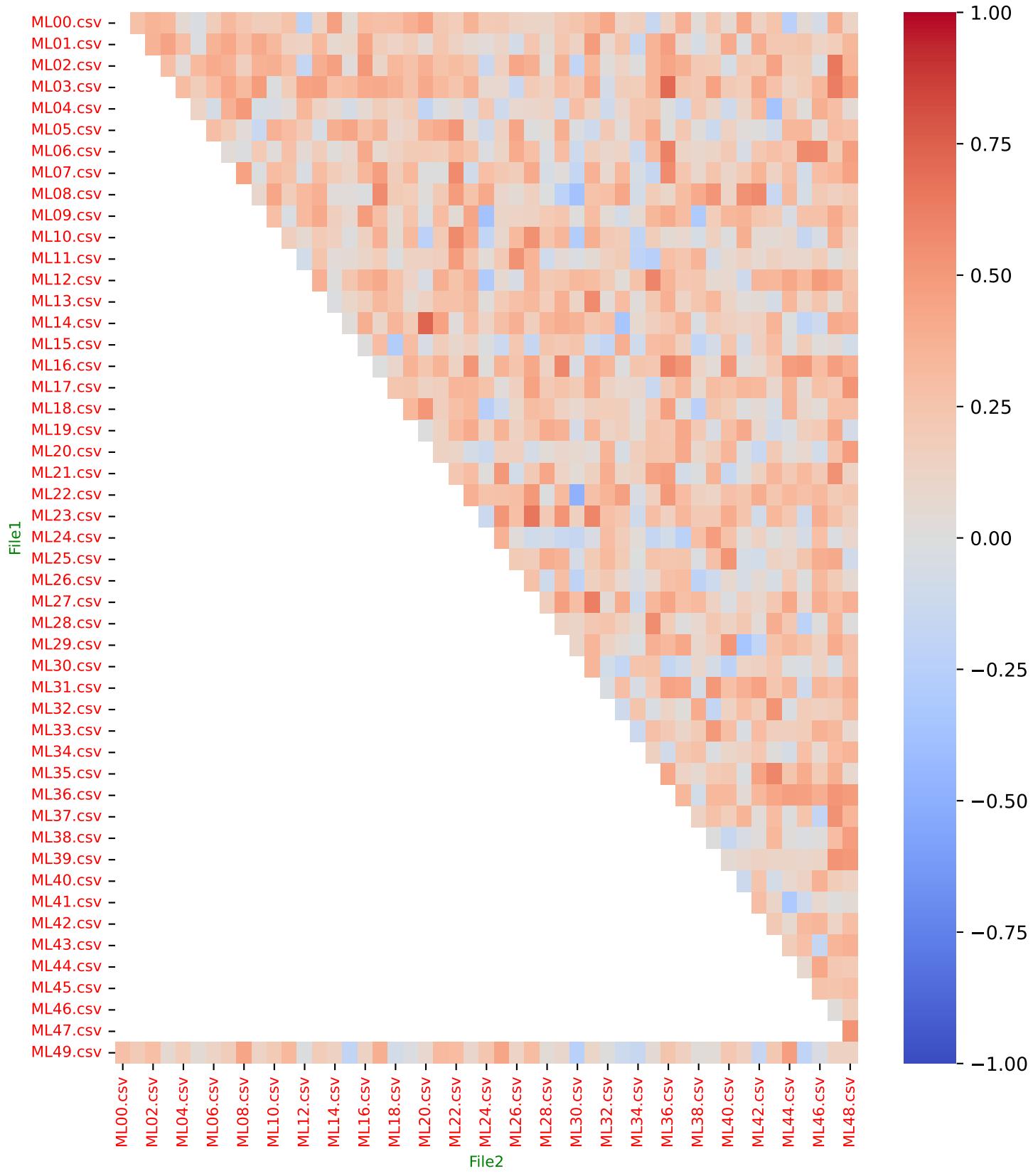


Implementation Number 166

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 167

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 100
Number of Files: 50

Implementation Number 167

Parameters: Top_N = 100

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 167

Parameters: Top_N = 100

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 167

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
088.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 10, 11, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37, 38, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
074.00 %	BAKON_571	00, 01, 02, 03, 05, 06, 07, 08, 09, 11, 12, 13, 14, 16, 17, 18, 21, 22, 24, 25, 26, 28, 29, 30, 31, 32, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 48
086.00 %	BAKON_126	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38, 39, 40, 41, 43, 47, 48, 49
094.00 %	BAKON_276	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
094.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 49
070.00 %	BAKON_125	00, 04, 06, 07, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37, 39, 40, 42, 44, 45, 46, 49
084.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 29, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 48, 49
078.00 %	BAKON_273	00, 01, 02, 04, 06, 08, 09, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 41, 42, 43, 44, 45, 48
086.00 %	BAKON_133	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29, 30, 32, 33, 34, 35, 36, 38, 39, 40, 41, 42, 44, 45, 46, 47, 48, 49
090.00 %	BAKON_470	00, 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 47, 48, 49
066.00 %	BAKON_059	00, 02, 05, 07, 08, 10, 12, 13, 14, 15, 16, 19, 22, 24, 25, 26, 27, 28, 29, 32, 33, 36, 37, 39, 40, 41, 42, 43, 45, 46, 47, 48, 49
096.00 %	BAKON_085	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
078.00 %	BAKON_190	00, 01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 19, 20, 22, 24, 25, 26, 27, 29, 30, 31, 33, 34, 35, 36, 37, 38, 41, 43, 45, 46, 47, 48, 49

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Global node Presence Mean (Weighted): 57.52%

Implementation Number 167

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.3333	0.5000	0.0000	0.2200
ML49.csv	ML01.csv	0.3986	0.5700	0.0156	0.1981
ML49.csv	ML02.csv	0.3793	0.5500	0.0000	0.1910
ML49.csv	ML03.csv	0.3514	0.5200	0.0099	0.3212
ML49.csv	ML04.csv	0.3986	0.5700	0.0000	0.1121
ML49.csv	ML05.csv	0.3699	0.5400	0.0000	0.1555
ML49.csv	ML06.csv	0.3793	0.5500	0.9084	0.2724
ML49.csv	ML07.csv	0.3793	0.5500	0.0241	0.1476
ML49.csv	ML08.csv	0.3423	0.5100	0.0000	0.2119
ML49.csv	ML09.csv	0.4286	0.6000	0.0000	0.1333
ML49.csv	ML10.csv	0.3333	0.5000	0.0000	0.3441
ML49.csv	ML11.csv	0.4184	0.5900	0.0000	0.3669
ML49.csv	ML12.csv	0.3514	0.5200	0.0000	0.2265
ML49.csv	ML13.csv	0.3986	0.5700	0.0000	0.4746
ML49.csv	ML14.csv	0.3793	0.5500	0.0000	0.4274
ML49.csv	ML15.csv	0.3986	0.5700	0.0000	0.1435
ML49.csv	ML16.csv	0.3793	0.5500	0.0022	0.2956
ML49.csv	ML17.csv	0.3072	0.4700	0.0000	0.3544
ML49.csv	ML18.csv	0.3423	0.5100	0.0000	0.2384
ML49.csv	ML19.csv	0.3514	0.5200	0.0000	0.2037
ML49.csv	ML20.csv	0.3793	0.5500	0.0000	0.1700
ML49.csv	ML21.csv	0.3889	0.5600	0.0364	0.1015
ML49.csv	ML22.csv	0.3605	0.5300	0.0000	0.4428
ML49.csv	ML23.csv	0.3514	0.5200	0.0000	0.3171
ML49.csv	ML24.csv	0.3889	0.5600	0.2819	0.1644
ML49.csv	ML25.csv	0.2987	0.4600	0.0000	0.1368
ML49.csv	ML26.csv	0.3514	0.5200	0.0000	0.3007
ML49.csv	ML27.csv	0.4085	0.5800	0.0000	0.2755
ML49.csv	ML28.csv	0.4388	0.6100	0.0156	0.2467
ML49.csv	ML29.csv	0.3793	0.5500	0.0000	0.1982
ML49.csv	ML30.csv	0.4388	0.6100	0.0000	0.1215
ML49.csv	ML31.csv	0.3333	0.5000	0.0007	0.2915
ML49.csv	ML32.csv	0.3793	0.5500	0.0000	0.1868
ML49.csv	ML33.csv	0.3245	0.4900	0.0000	0.2172
ML49.csv	ML34.csv	0.4085	0.5800	0.0000	0.0249

Implementation Number 167

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.4085	0.5800	0.0000	0.0996
ML49.csv	ML36.csv	0.3423	0.5100	0.0539	0.3485
ML49.csv	ML37.csv	0.3245	0.4900	0.0000	0.2516
ML49.csv	ML38.csv	0.4085	0.5800	0.0000	0.2681
ML49.csv	ML39.csv	0.3245	0.4900	0.0000	0.2108
ML49.csv	ML40.csv	0.3333	0.5000	0.0000	0.3540
ML49.csv	ML41.csv	0.3072	0.4700	0.0782	0.0538
ML49.csv	ML42.csv	0.3423	0.5100	0.0000	0.0623
ML49.csv	ML43.csv	0.3423	0.5100	0.0000	0.2742
ML49.csv	ML44.csv	0.3699	0.5400	0.0000	0.2505
ML49.csv	ML45.csv	0.3072	0.4700	0.0000	0.2629
ML49.csv	ML46.csv	0.3245	0.4900	0.0099	0.2409
ML49.csv	ML47.csv	0.3514	0.5200	0.0000	0.2709
ML49.csv	ML48.csv	0.3986	0.5700	0.0000	0.5475
ML00.csv	ML01.csv	0.4286	0.6000	0.0000	0.4285

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Global Metrics:

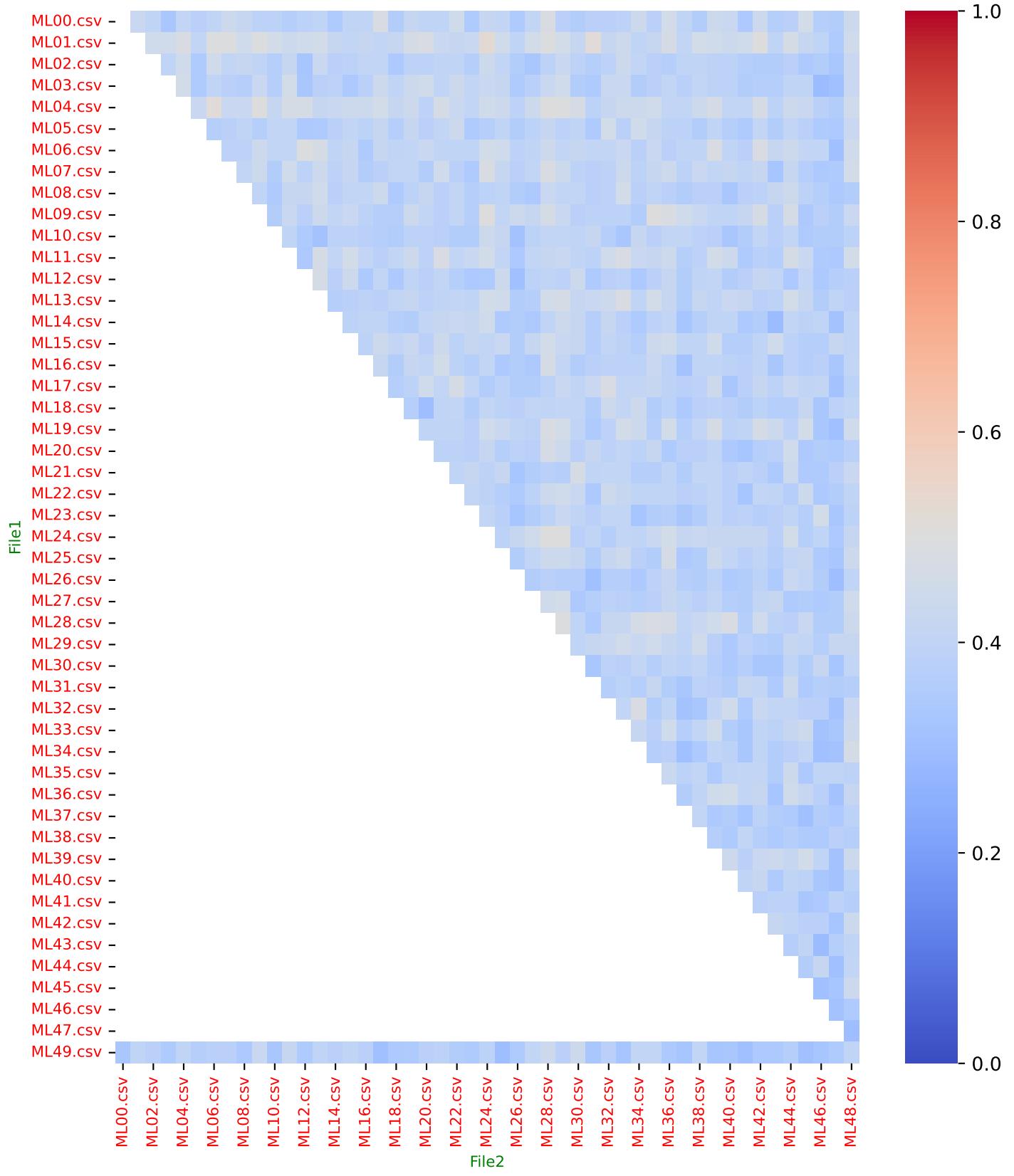
Mean Jaccard Coefficient (J): 0.3963
Fleiss' Kappa Agreement Index (κF): 0.3581
Mean KS Distance Between Pairs (D): 0.7486
Mean p-value for KS Test Pairs: 0.0462
Mean KS Distance for Multiple Samples (D_{mult}): 0.5443
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000
Mean Kendall Tau ($\bar{\tau}$): 0.2545
Median Kendall Tau ($\tilde{\tau}$): 0.2570
Percentage of Pairs with $\tau > 0$: 99.10%

Implementation Number 167

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

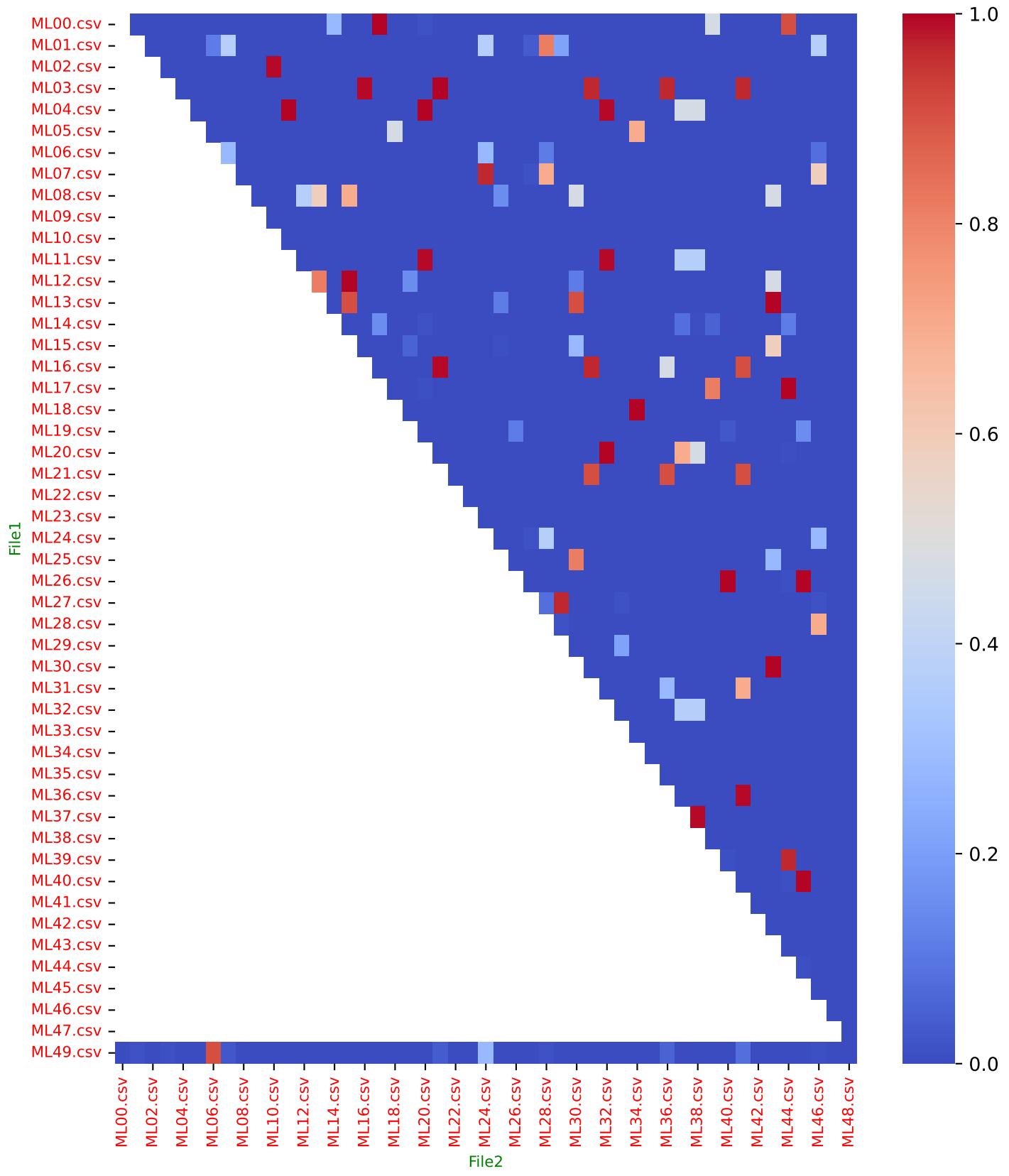


Implementation Number 167

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

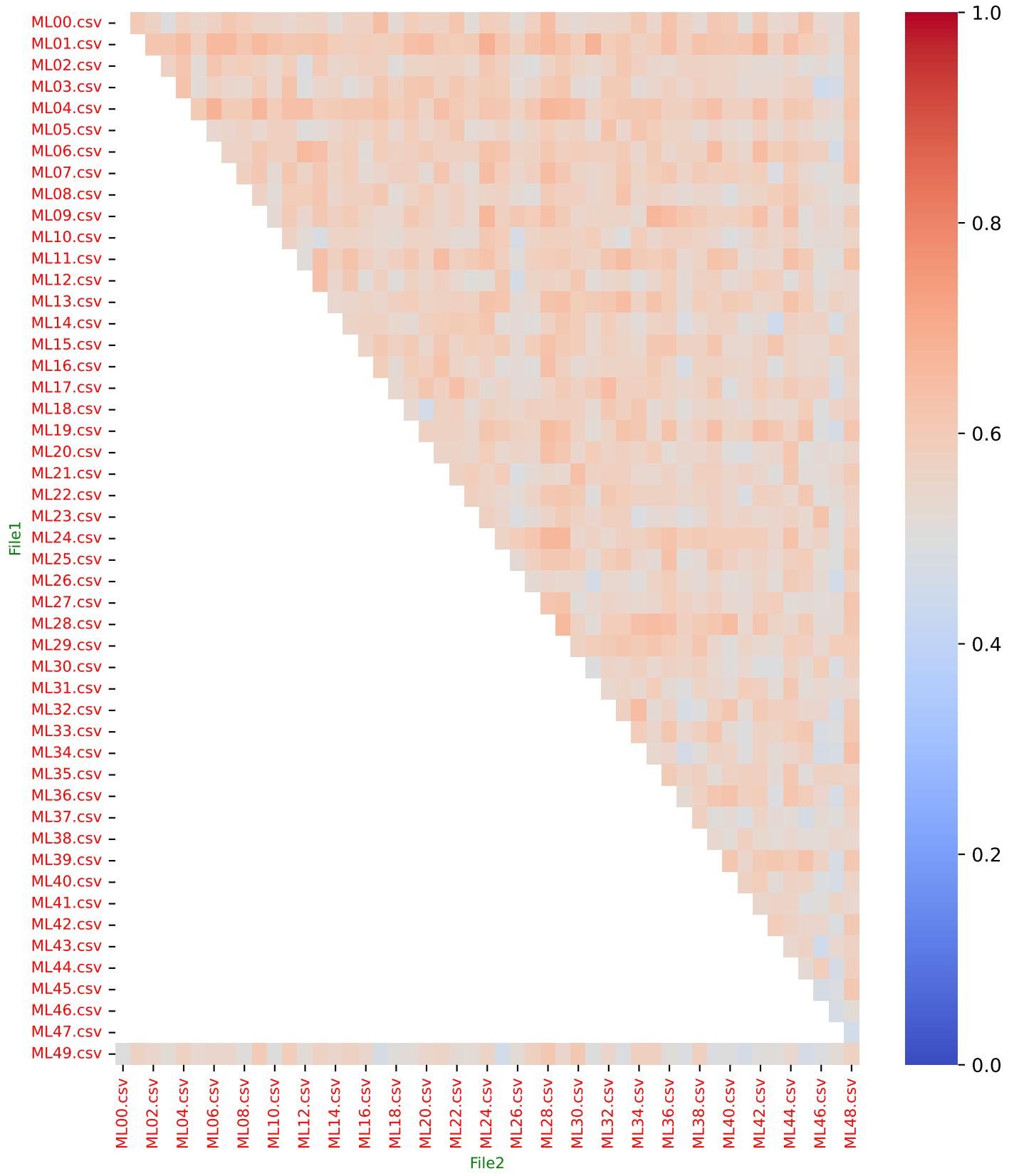


Implementation Number 167

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

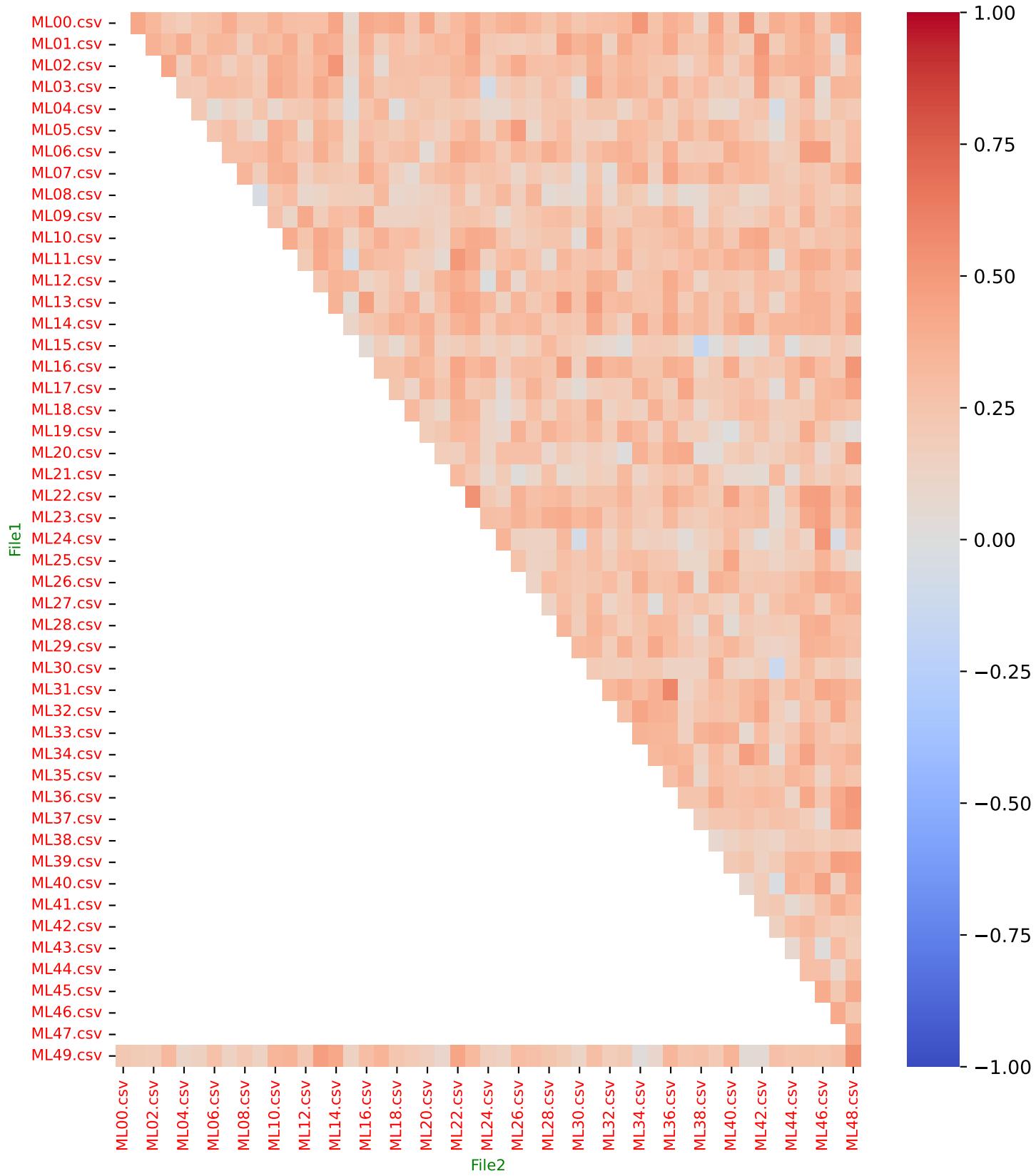


Implementation Number 167

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 168

Similarity, Correlation and Distribution Tests

Mode: Machine Learning

Metric: Degree

Top Nodes: 200
Number of Files: 50

Implementation Number 168

Parameters: Top_N = 200

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file

Label	File	Degree
BAKON_478	00	300
BAKON_571	00	298
BAKON_126	00	297
BAKON_276	00	297
BAKON_130	00	296
BAKON_125	00	296
BAKON_084	00	296
BAKON_212	01	305
BAKON_478	01	304
BAKON_373	01	303
BAKON_374	01	303
BAKON_211	01	303
BAKON_209	01	302
BAKON_083	01	301
BAKON_478	02	300
BAKON_160	02	297
BAKON_082	02	297
BAKON_209	02	297
BAKON_085	02	297
BAKON_084	02	296
BAKON_470	02	296
BAKON_478	03	308
BAKON_211	03	306
BAKON_572	03	305
BAKON_196	03	305
BAKON_471	03	305
BAKON_084	03	305
BAKON_209	03	305
BAKON_212	04	300
BAKON_211	04	299
BAKON_084	04	299
BAKON_130	04	299
BAKON_437	04	298
BAKON_209	04	298
BAKON_213	04	298
BAKON_034	05	300
BAKON_087	05	300
BAKON_182	05	300

Implementation Number 168

Parameters: Top_N = 200

Number of files = 50

Mode: Machine Learning

Selected metric: Degree

Top 7 Nodes per file (Continuation)

BAKON_471	05	300
BAKON_035	05	300
BAKON_160	05	299
BAKON_130	05	299
BAKON_087	06	311
BAKON_475	06	311
BAKON_572	06	310
BAKON_184	06	310
BAKON_096	06	310
BAKON_126	06	310
BAKON_130	06	309
BAKON_087	07	299
BAKON_572	07	298
BAKON_085	07	298
BAKON_127	07	298
BAKON_361	07	298
BAKON_188	07	297
BAKON_160	07	297
BAKON_209	08	297
BAKON_437	08	297
BAKON_084	08	297
BAKON_133	08	297
BAKON_471	08	296
BAKON_571	08	296
BAKON_127	08	296
BAKON_212	09	305
BAKON_084	09	303
BAKON_133	09	303
BAKON_098	09	302
BAKON_437	09	302
BAKON_276	09	302
BAKON_205	09	302

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Implementation Number 168

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
094.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37, 38, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
098.00 %	BAKON_571	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
094.00 %	BAKON_126	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 47, 48, 49
098.00 %	BAKON_276	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
100.00 %	BAKON_130	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
098.00 %	BAKON_125	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
088.00 %	BAKON_084	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 48, 49
094.00 %	BAKON_273	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47, 48, 49

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Global node Presence Mean (Weighted): 72.90%

Implementation Number 168

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.5686	0.7250	0.0000	0.2366
ML49.csv	ML01.csv	0.6194	0.7650	0.0521	0.3497
ML49.csv	ML02.csv	0.5810	0.7350	0.0000	0.3489
ML49.csv	ML03.csv	0.5748	0.7300	0.0118	0.2527
ML49.csv	ML04.csv	0.5625	0.7200	0.0000	0.3314
ML49.csv	ML05.csv	0.5810	0.7350	0.0000	0.3159
ML49.csv	ML06.csv	0.5873	0.7400	0.4663	0.2839
ML49.csv	ML07.csv	0.5936	0.7450	0.2205	0.3459
ML49.csv	ML08.csv	0.5326	0.6950	0.0000	0.3249
ML49.csv	ML09.csv	0.6194	0.7650	0.0000	0.3502
ML49.csv	ML10.csv	0.5564	0.7150	0.0000	0.2720
ML49.csv	ML11.csv	0.6194	0.7650	0.0000	0.3563
ML49.csv	ML12.csv	0.5385	0.7000	0.0000	0.3257
ML49.csv	ML13.csv	0.5873	0.7400	0.0000	0.3821
ML49.csv	ML14.csv	0.6000	0.7500	0.0000	0.2974
ML49.csv	ML15.csv	0.5936	0.7450	0.0000	0.2865
ML49.csv	ML16.csv	0.5748	0.7300	0.0006	0.3576
ML49.csv	ML17.csv	0.5810	0.7350	0.0000	0.2078
ML49.csv	ML18.csv	0.5152	0.6800	0.0000	0.2860
ML49.csv	ML19.csv	0.5385	0.7000	0.0000	0.3147
ML49.csv	ML20.csv	0.5936	0.7450	0.0000	0.2337
ML49.csv	ML21.csv	0.6064	0.7550	0.0221	0.3258
ML49.csv	ML22.csv	0.5625	0.7200	0.0000	0.3145
ML49.csv	ML23.csv	0.5873	0.7400	0.0000	0.3260
ML49.csv	ML24.csv	0.5564	0.7150	0.7126	0.2825
ML49.csv	ML25.csv	0.5625	0.7200	0.0000	0.2750
ML49.csv	ML26.csv	0.5625	0.7200	0.0000	0.2144
ML49.csv	ML27.csv	0.6000	0.7500	0.0021	0.3585
ML49.csv	ML28.csv	0.5873	0.7400	0.1779	0.3877
ML49.csv	ML29.csv	0.6064	0.7550	0.0006	0.3287
ML49.csv	ML30.csv	0.5748	0.7300	0.0000	0.3613
ML49.csv	ML31.csv	0.6064	0.7550	0.0000	0.3353
ML49.csv	ML32.csv	0.5504	0.7100	0.0000	0.3141
ML49.csv	ML33.csv	0.5873	0.7400	0.0000	0.3159
ML49.csv	ML34.csv	0.5385	0.7000	0.0000	0.3520

Implementation Number 168

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.6194	0.7650	0.0000	0.3262
ML49.csv	ML36.csv	0.5686	0.7250	0.0030	0.3375
ML49.csv	ML37.csv	0.5444	0.7050	0.0000	0.1913
ML49.csv	ML38.csv	0.6194	0.7650	0.0000	0.3734
ML49.csv	ML39.csv	0.5748	0.7300	0.0000	0.2109
ML49.csv	ML40.csv	0.5385	0.7000	0.0000	0.2626
ML49.csv	ML41.csv	0.5564	0.7150	0.0030	0.3323
ML49.csv	ML42.csv	0.5810	0.7350	0.0000	0.2074
ML49.csv	ML43.csv	0.5564	0.7150	0.0000	0.2719
ML49.csv	ML44.csv	0.5686	0.7250	0.0000	0.2753
ML49.csv	ML45.csv	0.5686	0.7250	0.0000	0.2609
ML49.csv	ML46.csv	0.5686	0.7250	0.1421	0.1957
ML49.csv	ML47.csv	0.6000	0.7500	0.0000	0.3140
ML49.csv	ML48.csv	0.6393	0.7800	0.0000	0.4049
ML00.csv	ML01.csv	0.6194	0.7650	0.0000	0.4080

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Global Metrics:

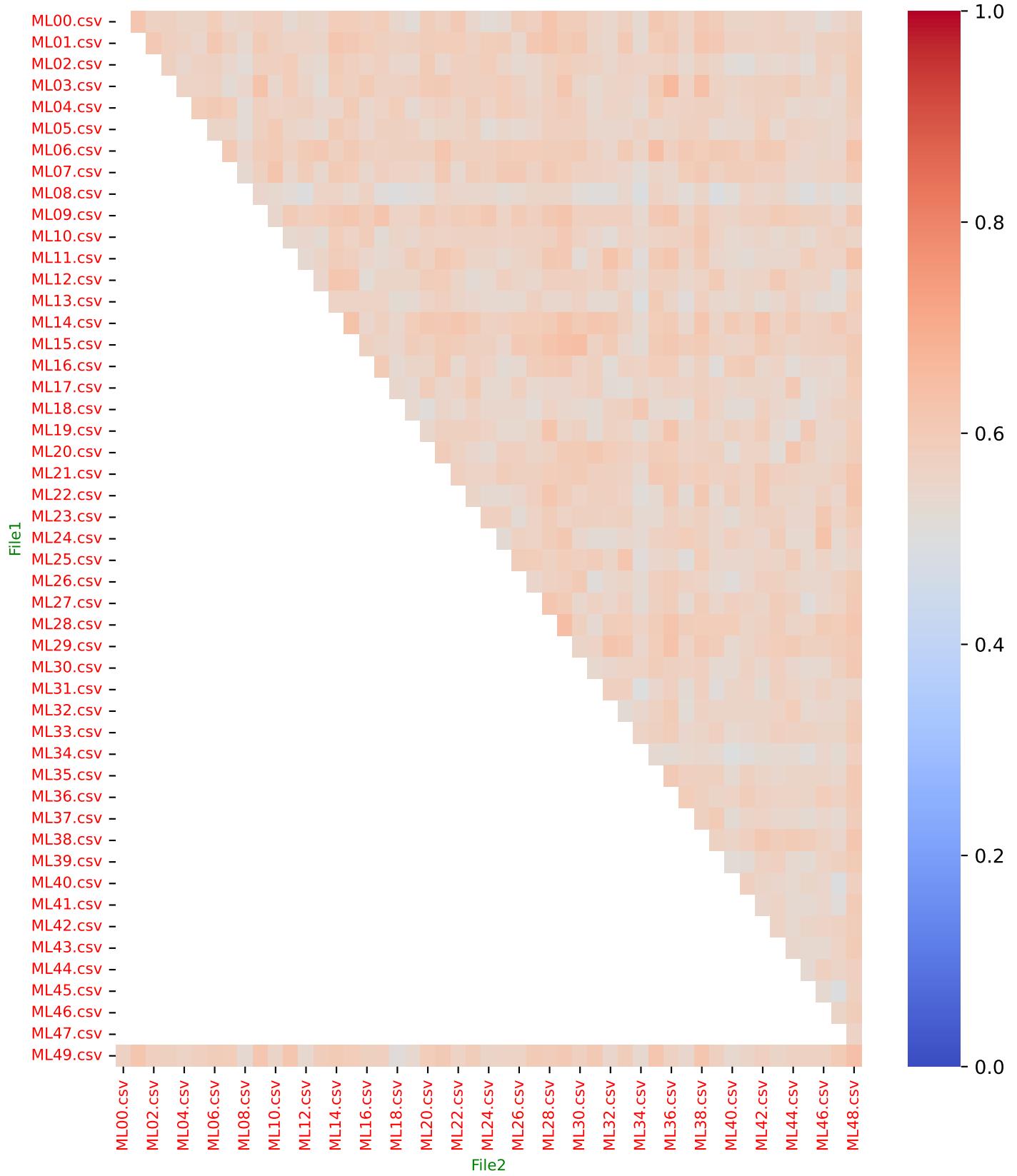
Mean Jaccard Coefficient (J): 0.5673
Fleiss' Kappa Agreement Index (κF): 0.4524
Mean KS Distance Between Pairs (D): 0.6353
Mean p-value for KS Test Pairs: 0.0508
Mean KS Distance for Multiple Samples (D_{mult}): 0.4655
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.0000
Mean Kendall Tau ($\bar{\tau}$): 0.3687
Median Kendall Tau ($\tilde{\tau}$): 0.3688
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 168

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Jaccard Coefficient

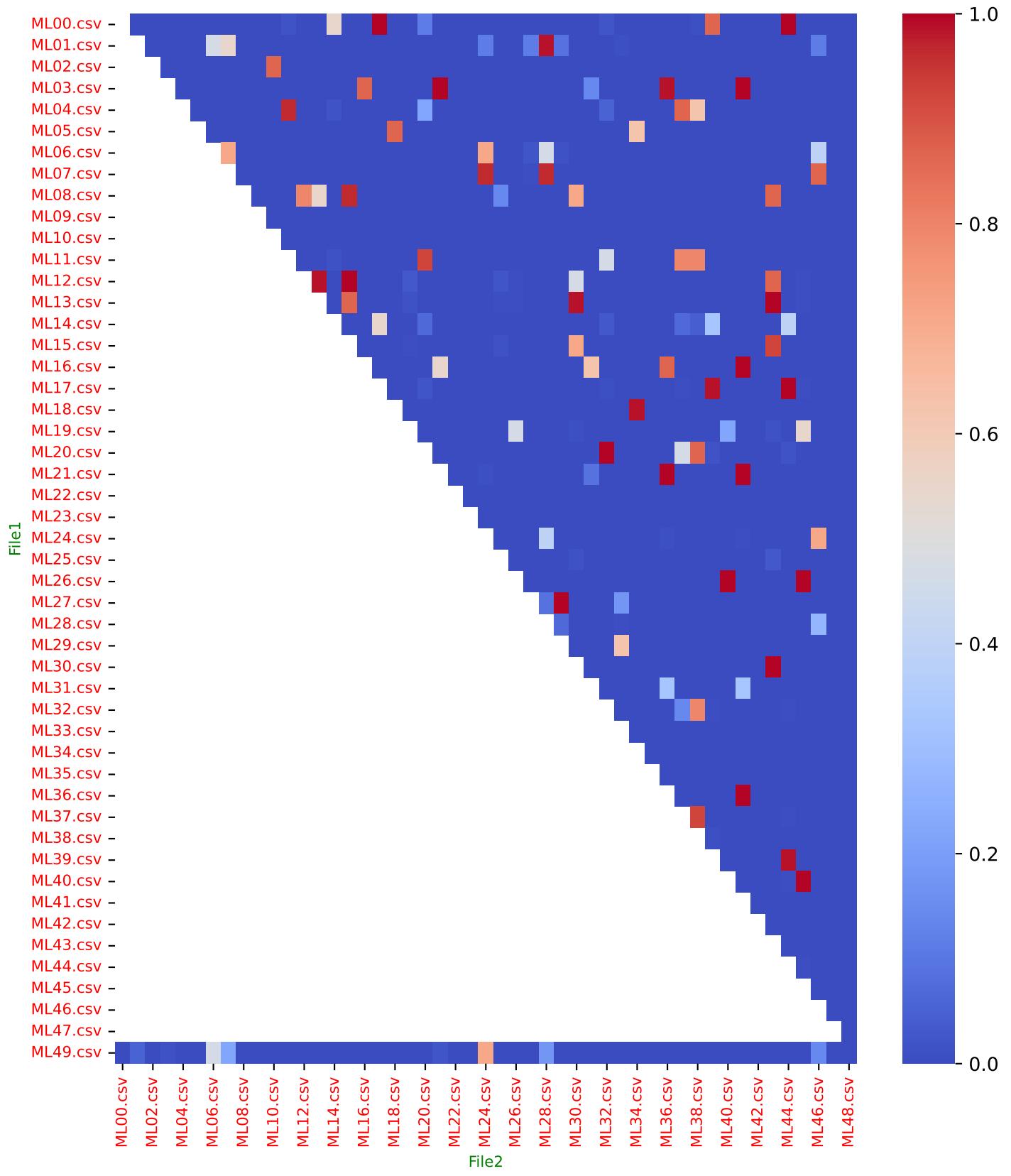


Implementation Number 168

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kolmogorov-Smirnov Test (KS_p)

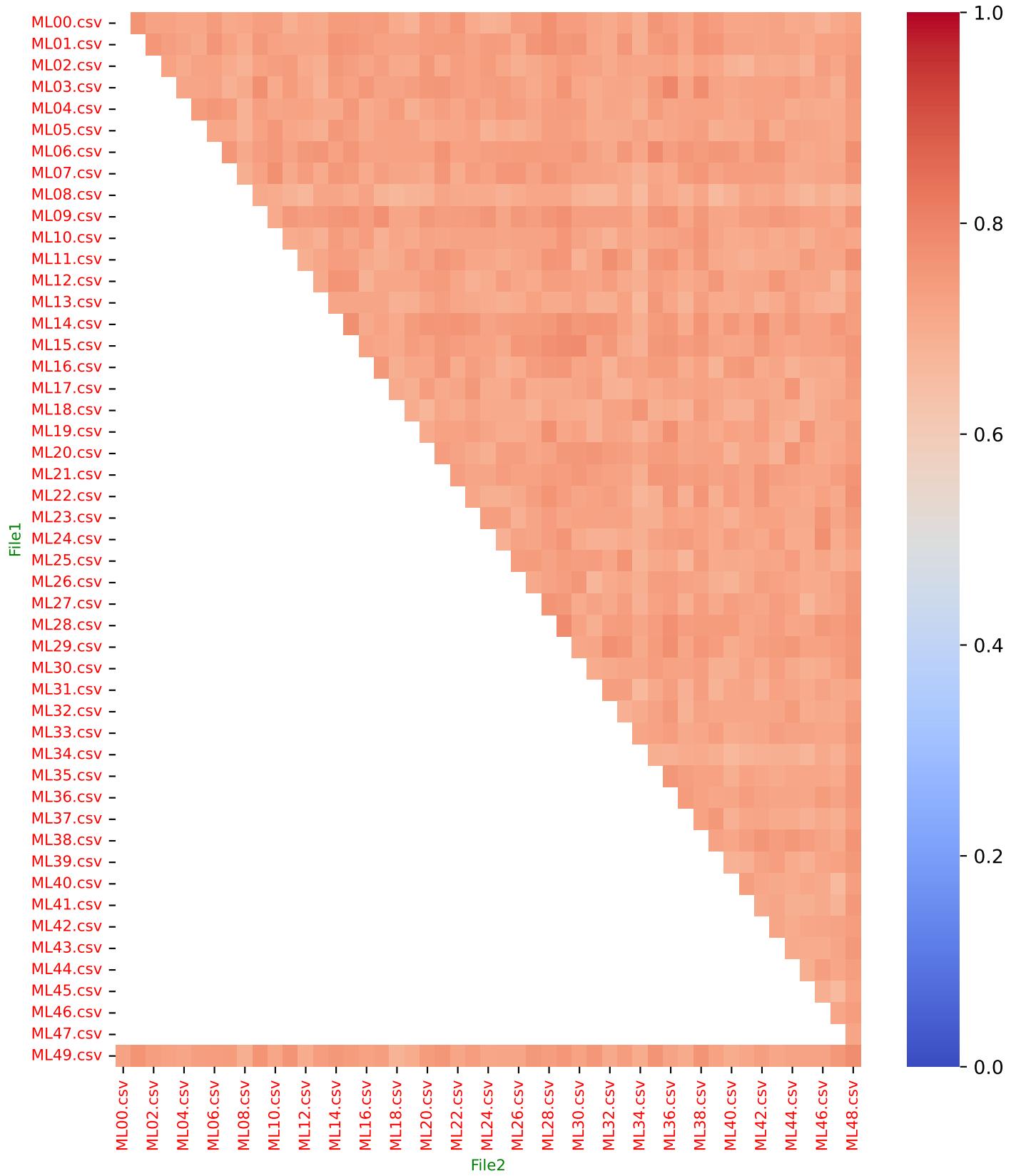


Implementation Number 168

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Overlap Coefficient

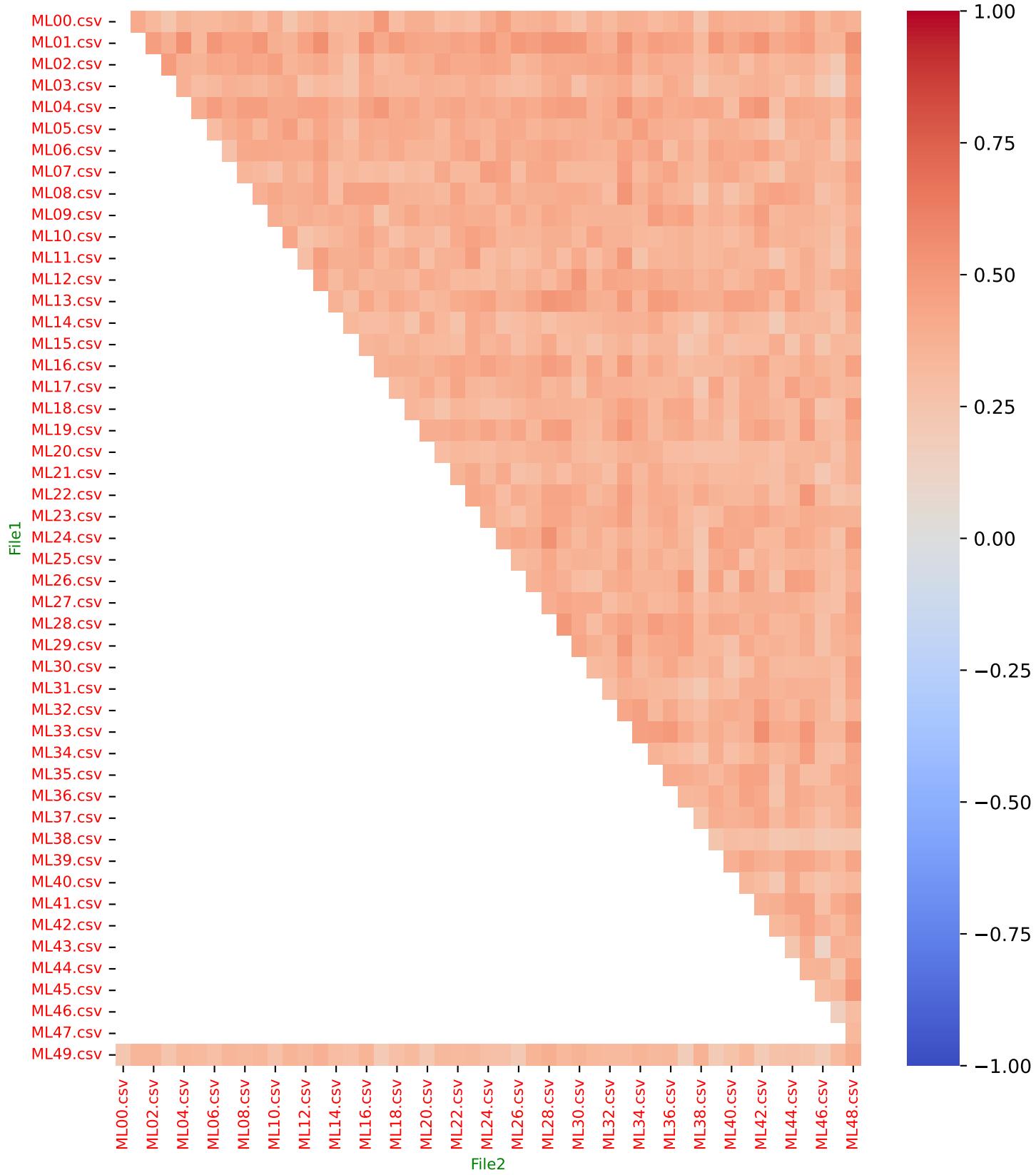


Implementation Number 168

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Degree

Heatmap of Kendall Tau Correlation



Implementation 169

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 10
Number of Files: 50**

Implementation Number 169

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 169

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 169

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
052.00 %	BAKON_211	00, 01, 03, 05, 06, 07, 08, 10, 11, 12, 15, 19, 23, 24, 26, 29, 32, 33, 35, 36, 40, 42, 43, 44, 46, 48
066.00 %	BAKON_422	00, 01, 03, 05, 09, 10, 11, 12, 13, 14, 16, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 31, 33, 34, 35, 37, 38, 40, 42, 44, 46, 47
090.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 41, 42, 44, 45, 46, 47, 48, 49
014.00 %	BAKON_604	00, 04, 08, 28, 32, 43, 49
010.00 %	BAKON_239	00, 07, 32, 36, 44
066.00 %	BAKON_478	00, 01, 02, 03, 04, 07, 09, 10, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 27, 28, 29, 30, 31, 32, 33, 35, 37, 38, 39, 40, 41, 44, 45
004.00 %	BAKON_450	00, 33
020.00 %	BAKON_571	00, 07, 13, 25, 30, 34, 37, 40, 45, 48
026.00 %	BAKON_098	00, 02, 07, 12, 13, 14, 28, 32, 34, 40, 41, 43, 49
028.00 %	BAKON_572	00, 02, 03, 07, 11, 13, 20, 23, 29, 30, 34, 36, 40, 44
058.00 %	BAKON_212	01, 04, 05, 08, 09, 13, 18, 19, 20, 21, 22, 23, 27, 28, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 44, 45, 46, 48, 49
068.00 %	BAKON_437	01, 02, 04, 05, 07, 08, 09, 10, 12, 13, 14, 15, 17, 18, 21, 22, 26, 27, 28, 29, 30, 31, 33, 35, 36, 37, 38, 41, 42, 43, 44, 45, 46, 48
020.00 %	BAKON_289	01, 10, 17, 25, 30, 31, 35, 37, 41, 45
018.00 %	BAKON_443	01, 03, 04, 08, 09, 10, 14, 33, 40
008.00 %	BAKON_283	01, 29, 38, 39
028.00 %	BAKON_361	01, 07, 13, 14, 18, 19, 23, 27, 32, 33, 35, 41, 43, 47
032.00 %	BAKON_209	02, 08, 11, 14, 15, 16, 17, 24, 29, 30, 31, 32, 34, 39, 47, 48
026.00 %	BAKON_234	02, 05, 14, 15, 23, 28, 32, 35, 37, 40, 45, 46, 49
004.00 %	BAKON_160	02, 43
016.00 %	BAKON_338	02, 03, 06, 18, 20, 21, 48, 49
006.00 %	BAKON_104	02, 06, 18
020.00 %	BAKON_292	03, 04, 12, 19, 22, 26, 34, 44, 47, 49

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Global node Presence Mean (Weighted): 38.94%

Implementation Number 169

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.2500	0.4000	0.9945	-0.3333
ML49.csv	ML01.csv	0.2500	0.4000	0.7869	0.3333
ML49.csv	ML02.csv	0.3333	0.5000	0.7869	0.4000
ML49.csv	ML03.csv	0.1765	0.3000	0.4175	1.0000
ML49.csv	ML04.csv	0.1765	0.3000	0.7869	0.3333
ML49.csv	ML05.csv	0.1111	0.2000	0.7869	1.0000
ML49.csv	ML06.csv	0.5385	0.7000	0.4175	0.2381
ML49.csv	ML07.csv	0.1111	0.2000	0.4175	1.0000
ML49.csv	ML08.csv	0.1765	0.3000	0.7869	-0.3333
ML49.csv	ML09.csv	0.2500	0.4000	0.7869	0.3333
ML49.csv	ML10.csv	0.2500	0.4000	0.4175	1.0000
ML49.csv	ML11.csv	0.2500	0.4000	0.7869	0.6667
ML49.csv	ML12.csv	0.3333	0.5000	0.9945	0.4000
ML49.csv	ML13.csv	0.2500	0.4000	0.9945	-0.3333
ML49.csv	ML14.csv	0.1765	0.3000	0.9945	1.0000
ML49.csv	ML15.csv	0.1765	0.3000	0.7869	1.0000
ML49.csv	ML16.csv	0.1111	0.2000	0.7869	-1.0000
ML49.csv	ML17.csv	0.1765	0.3000	0.4175	0.3333
ML49.csv	ML18.csv	0.2500	0.4000	0.9945	-0.3333
ML49.csv	ML19.csv	0.1765	0.3000	0.4175	0.3333
ML49.csv	ML20.csv	0.1765	0.3000	0.7869	-1.0000
ML49.csv	ML21.csv	0.1111	0.2000	0.7869	1.0000
ML49.csv	ML22.csv	0.3333	0.5000	0.4175	0.4000
ML49.csv	ML23.csv	0.2500	0.4000	0.9945	0.6667
ML49.csv	ML24.csv	0.1765	0.3000	0.4175	0.3333
ML49.csv	ML25.csv	0.1765	0.3000	0.4175	1.0000
ML49.csv	ML26.csv	0.1765	0.3000	0.7869	-1.0000
ML49.csv	ML27.csv	0.3333	0.5000	0.9945	0.0000
ML49.csv	ML28.csv	0.3333	0.5000	0.9945	0.0000
ML49.csv	ML29.csv	0.2500	0.4000	0.1678	0.3333
ML49.csv	ML30.csv	0.1111	0.2000	0.4175	1.0000
ML49.csv	ML31.csv	0.3333	0.5000	0.4175	0.4000
ML49.csv	ML32.csv	0.3333	0.5000	0.9945	-0.2000
ML49.csv	ML33.csv	0.3333	0.5000	0.7869	0.2000
ML49.csv	ML34.csv	0.2500	0.4000	0.1678	-0.6667

Implementation Number 169

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.2500	0.4000	0.7869	0.3333
ML49.csv	ML36.csv	0.2500	0.4000	0.9945	1.0000
ML49.csv	ML37.csv	0.1765	0.3000	0.4175	-0.3333
ML49.csv	ML38.csv	0.1111	0.2000	0.9945	1.0000
ML49.csv	ML39.csv	0.4286	0.6000	0.7869	-0.0667
ML49.csv	ML40.csv	0.1765	0.3000	0.7869	0.3333
ML49.csv	ML41.csv	0.1765	0.3000	0.0123	0.3333
ML49.csv	ML42.csv	0.1765	0.3000	0.9945	0.3333
ML49.csv	ML43.csv	0.4286	0.6000	0.7869	0.0667
ML49.csv	ML44.csv	0.1765	0.3000	0.9945	1.0000
ML49.csv	ML45.csv	0.1765	0.3000	0.1678	-0.3333
ML49.csv	ML46.csv	0.1111	0.2000	0.7869	1.0000
ML49.csv	ML47.csv	0.1765	0.3000	0.4175	0.3333
ML49.csv	ML48.csv	0.1765	0.3000	0.7869	0.3333
ML00.csv	ML01.csv	0.1765	0.3000	0.1678	-0.3333

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2401

Fleiss' Kappa Agreement Index (κ_F): 0.2616

Mean KS Distance Between Pairs (D): 0.3425

Mean p-value for KS Test Pairs: 0.6293

Mean KS Distance for Multiple Samples (D_{mult}): 0.2550

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5259

Mean Kendall Tau ($\bar{\tau}$): 0.2028

Median Kendall Tau ($\tilde{\tau}$): 0.3333

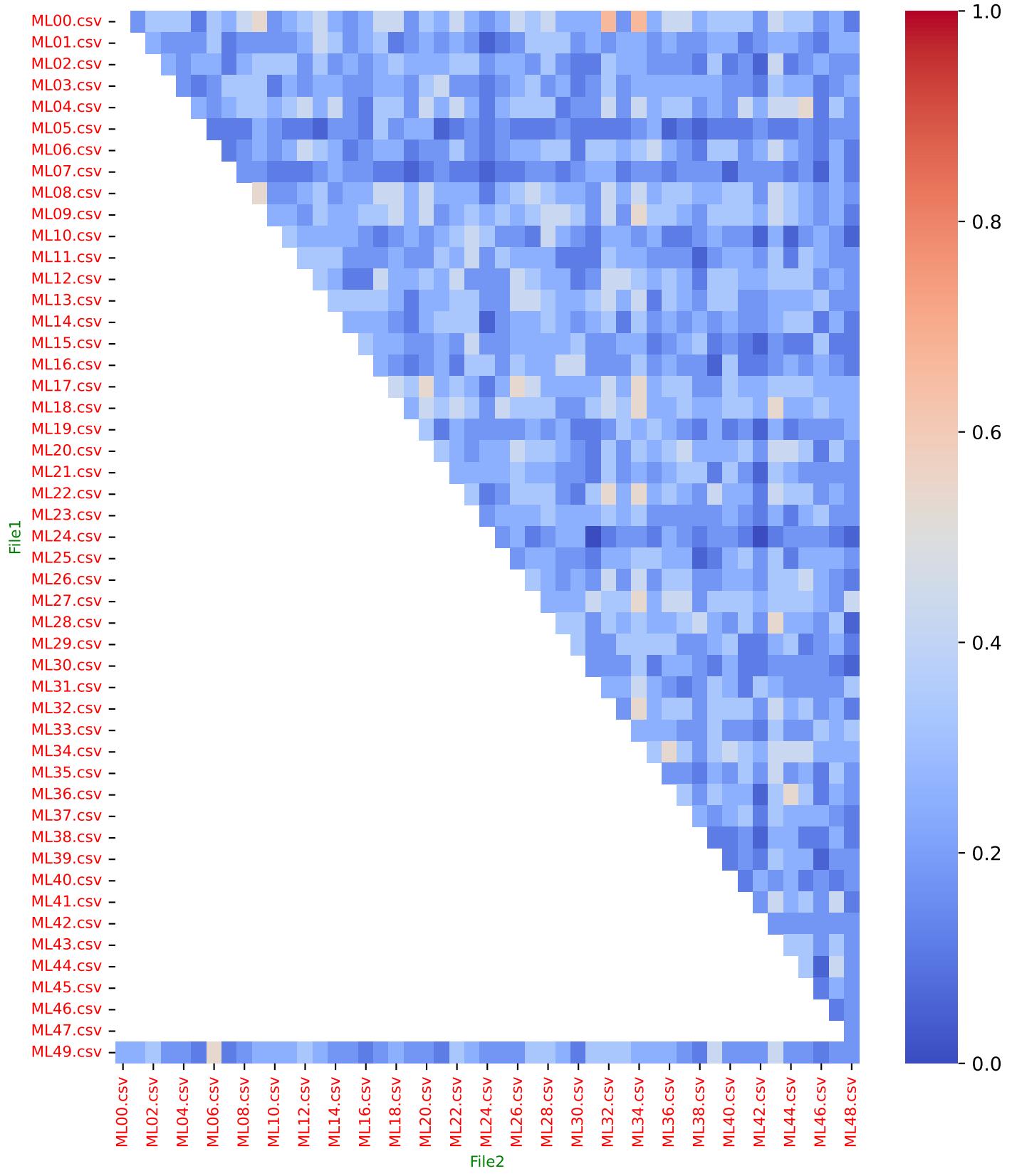
Percentage of Pairs with $\tau > 0$: 60.16%

Implementation Number 169

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

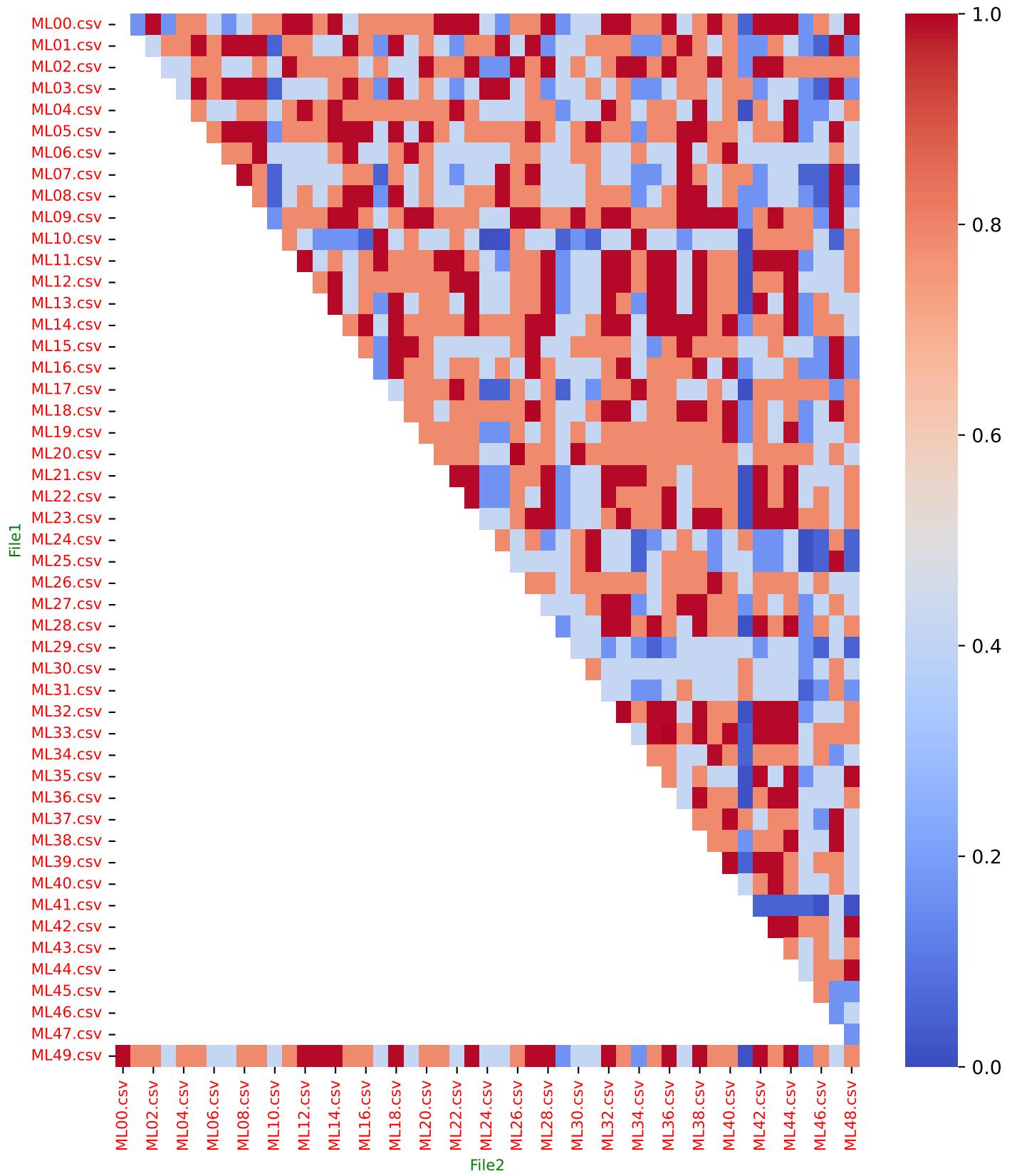


Implementation Number 169

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

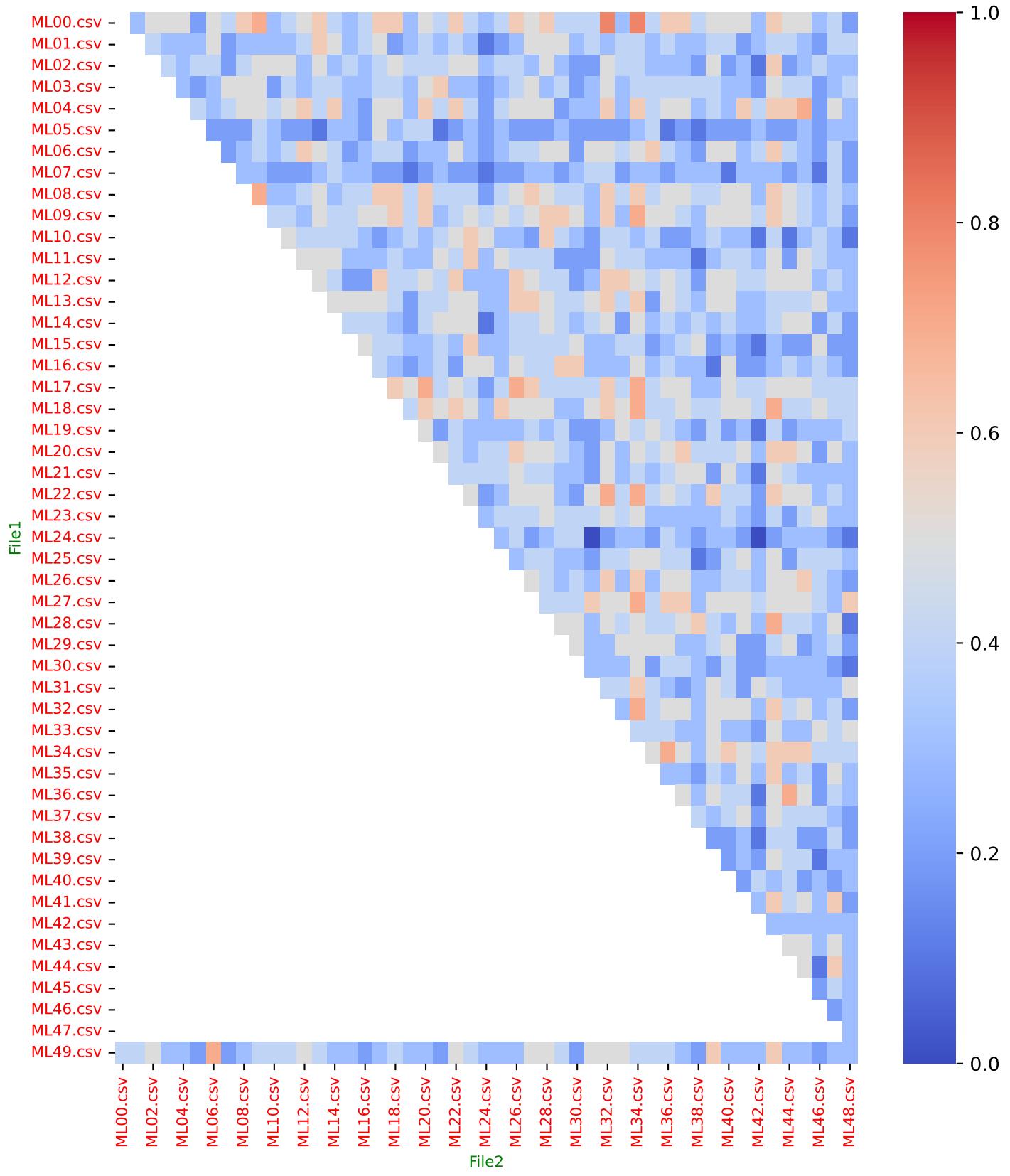


Implementation Number 169

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

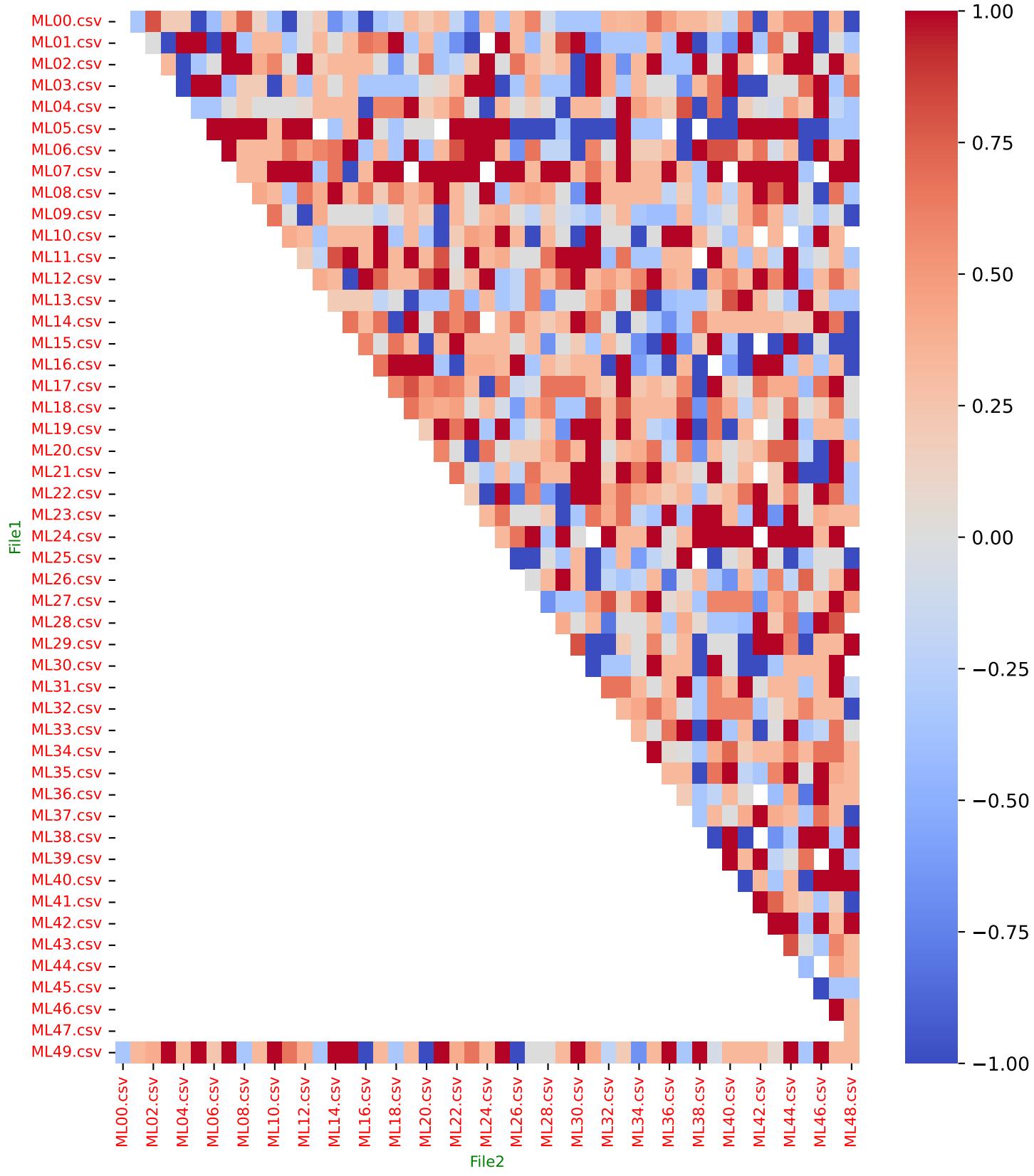


Implementation Number 169

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 170

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 20
Number of Files: 50**

Implementation Number 170

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 170

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 170

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
056.00 %	BAKON_211	00, 01, 03, 04, 05, 06, 07, 08, 10, 11, 12, 15, 19, 23, 24, 26, 29, 32, 33, 35, 36, 40, 42, 43, 44, 46, 48, 49
074.00 %	BAKON_422	00, 01, 02, 03, 05, 09, 10, 11, 12, 13, 14, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 33, 34, 35, 37, 38, 40, 42, 43, 44, 46, 47, 49
098.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
024.00 %	BAKON_604	00, 02, 04, 08, 10, 21, 22, 23, 28, 32, 43, 49
016.00 %	BAKON_239	00, 03, 07, 24, 31, 32, 36, 44
078.00 %	BAKON_478	00, 01, 02, 03, 04, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 44, 45, 48, 49
008.00 %	BAKON_450	00, 19, 27, 33
050.00 %	BAKON_571	00, 04, 06, 07, 08, 09, 12, 13, 18, 20, 22, 25, 26, 27, 30, 31, 34, 35, 37, 39, 40, 44, 45, 46, 48
038.00 %	BAKON_098	00, 01, 02, 07, 08, 12, 13, 14, 20, 28, 32, 33, 34, 40, 41, 43, 44, 46, 49
070.00 %	BAKON_572	00, 02, 03, 04, 05, 06, 07, 09, 11, 12, 13, 15, 18, 19, 20, 22, 23, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 39, 40, 44, 45, 46, 48, 49
024.00 %	BAKON_343	00, 07, 10, 14, 24, 31, 32, 36, 39, 42, 44, 49
092.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 44, 45, 46, 48, 49
030.00 %	BAKON_425	00, 03, 05, 06, 07, 14, 16, 19, 20, 26, 31, 36, 42, 48, 49
080.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 30, 31, 32, 33, 34, 35, 36, 37, 41, 42, 43, 44, 45, 46, 47, 48, 49
062.00 %	BAKON_317	00, 01, 02, 03, 05, 08, 09, 11, 12, 14, 16, 17, 18, 20, 21, 22, 24, 25, 27, 28, 30, 31, 34, 36, 38, 39, 40, 45, 46, 47, 49
040.00 %	BAKON_319	00, 02, 03, 08, 09, 14, 17, 20, 21, 25, 27, 28, 30, 31, 36, 38, 40, 42, 46, 49
028.00 %	BAKON_293	00, 05, 06, 13, 15, 18, 21, 27, 28, 33, 39, 43, 45, 46
040.00 %	BAKON_570	00, 03, 06, 13, 15, 18, 23, 25, 28, 30, 33, 34, 35, 37, 38, 40, 43, 45, 47, 48
006.00 %	BAKON_475	00, 06, 46
062.00 %	BAKON_337	00, 01, 02, 03, 04, 06, 10, 11, 14, 17, 20, 21, 22, 23, 24, 25, 26, 29, 30, 32, 35, 36, 39, 40, 41, 42, 43, 44, 46, 48, 49

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Global node Presence Mean (Weighted): 45.63%

Implementation Number 170

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.2903	0.4500	0.5713	0.3889
ML49.csv	ML01.csv	0.3793	0.5500	0.8320	0.2000
ML49.csv	ML02.csv	0.3793	0.5500	0.1745	0.4909
ML49.csv	ML03.csv	0.2903	0.4500	0.8320	0.0556
ML49.csv	ML04.csv	0.2500	0.4000	0.9831	0.1429
ML49.csv	ML05.csv	0.3793	0.5500	0.5713	0.2727
ML49.csv	ML06.csv	0.3793	0.5500	0.5713	0.5273
ML49.csv	ML07.csv	0.2500	0.4000	0.3356	0.2143
ML49.csv	ML08.csv	0.2903	0.4500	0.9831	0.3333
ML49.csv	ML09.csv	0.2903	0.4500	0.3356	0.1667
ML49.csv	ML10.csv	0.2500	0.4000	0.5713	0.4286
ML49.csv	ML11.csv	0.2500	0.4000	0.3356	0.2857
ML49.csv	ML12.csv	0.3333	0.5000	0.8320	0.2889
ML49.csv	ML13.csv	0.3793	0.5500	0.8320	0.2364
ML49.csv	ML14.csv	0.2500	0.4000	0.9831	0.4286
ML49.csv	ML15.csv	0.2121	0.3500	0.8320	0.2381
ML49.csv	ML16.csv	0.2121	0.3500	0.8320	0.5238
ML49.csv	ML17.csv	0.3333	0.5000	0.5713	0.3778
ML49.csv	ML18.csv	0.2903	0.4500	0.3356	0.1111
ML49.csv	ML19.csv	0.3793	0.5500	0.5713	0.3455
ML49.csv	ML20.csv	0.3333	0.5000	0.3356	0.2444
ML49.csv	ML21.csv	0.3333	0.5000	0.8320	-0.1111
ML49.csv	ML22.csv	0.3333	0.5000	0.8320	0.5111
ML49.csv	ML23.csv	0.3333	0.5000	0.9831	0.4222
ML49.csv	ML24.csv	0.3333	0.5000	0.5713	0.2000
ML49.csv	ML25.csv	0.3333	0.5000	0.5713	0.2889
ML49.csv	ML26.csv	0.3333	0.5000	0.5713	-0.1556
ML49.csv	ML27.csv	0.3793	0.5500	0.9831	0.3818
ML49.csv	ML28.csv	0.2121	0.3500	0.8320	0.5238
ML49.csv	ML29.csv	0.3333	0.5000	0.0811	0.3333
ML49.csv	ML30.csv	0.3793	0.5500	0.1745	0.2000
ML49.csv	ML31.csv	0.3793	0.5500	0.3356	0.1273
ML49.csv	ML32.csv	0.3793	0.5500	0.9831	0.4545
ML49.csv	ML33.csv	0.2903	0.4500	0.9831	0.3889
ML49.csv	ML34.csv	0.3333	0.5000	0.5713	0.2889

Implementation Number 170

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.4286	0.6000	0.5713	0.1515
ML49.csv	ML36.csv	0.2121	0.3500	0.8320	0.6190
ML49.csv	ML37.csv	0.2121	0.3500	0.3356	0.5238
ML49.csv	ML38.csv	0.2500	0.4000	0.3356	0.0714
ML49.csv	ML39.csv	0.4286	0.6000	0.5713	0.1818
ML49.csv	ML40.csv	0.1765	0.3000	0.8320	0.6000
ML49.csv	ML41.csv	0.2903	0.4500	0.1745	0.5556
ML49.csv	ML42.csv	0.3333	0.5000	0.8320	0.2889
ML49.csv	ML43.csv	0.4286	0.6000	0.9831	0.3333
ML49.csv	ML44.csv	0.2903	0.4500	0.9831	0.5556
ML49.csv	ML45.csv	0.4815	0.6500	0.3356	0.0000
ML49.csv	ML46.csv	0.1429	0.2500	0.5713	0.8000
ML49.csv	ML47.csv	0.3333	0.5000	0.5713	0.4667
ML49.csv	ML48.csv	0.4815	0.6500	0.8320	0.2564
ML00.csv	ML01.csv	0.4815	0.6500	0.5713	0.4103

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Global Metrics:

Mean Jaccard Coefficient (J): 0.2908

Fleiss' Kappa Agreement Index (κ_F): 0.3205

Mean KS Distance Between Pairs (D): 0.2513

Mean p-value for KS Test Pairs: 0.5875

Mean KS Distance for Multiple Samples (D_{mult}): 0.1806

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5415

Mean Kendall Tau ($\bar{\tau}$): 0.2633

Median Kendall Tau ($\tilde{\tau}$): 0.2857

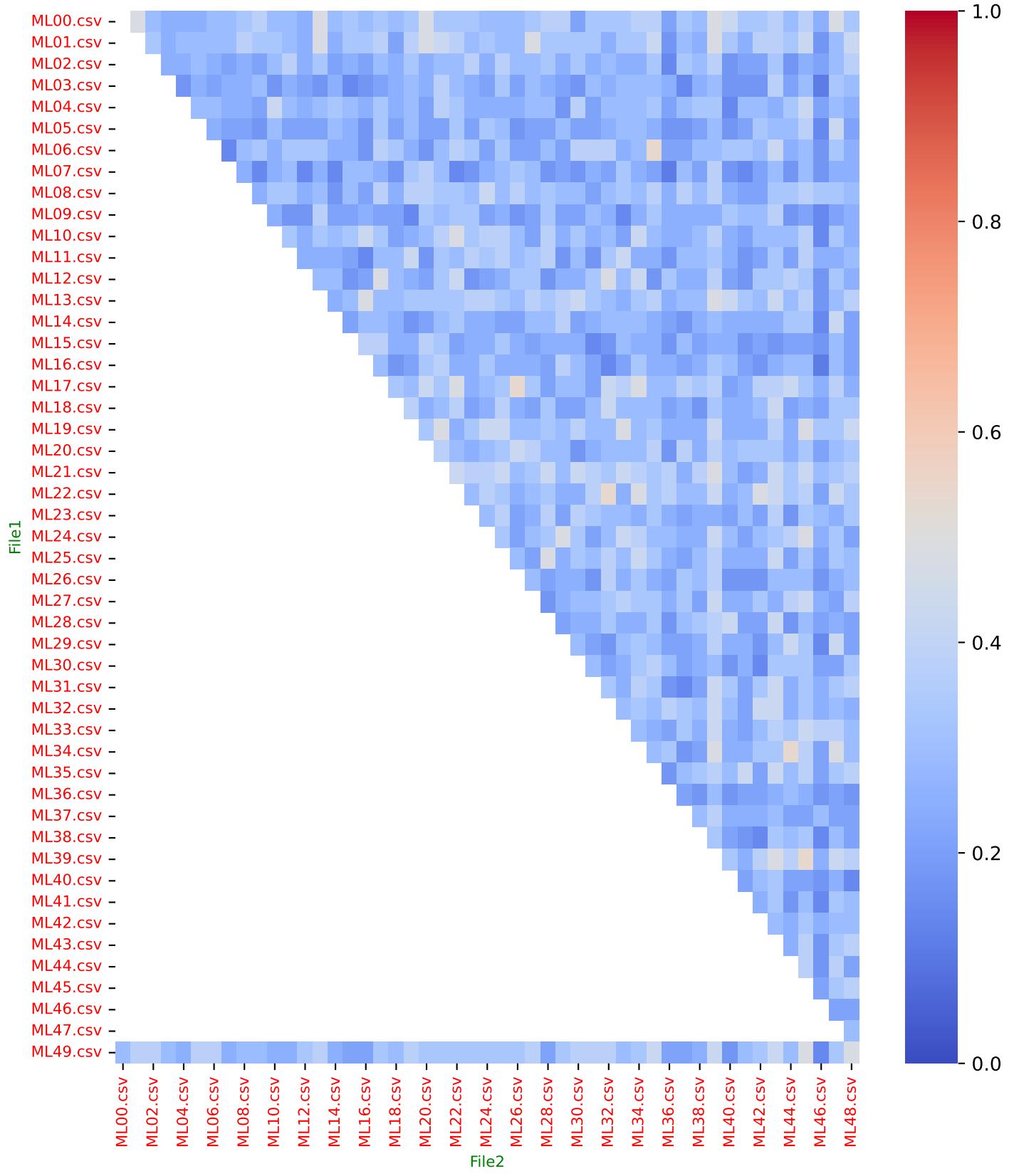
Percentage of Pairs with $\tau > 0$: 81.96%

Implementation Number 170

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

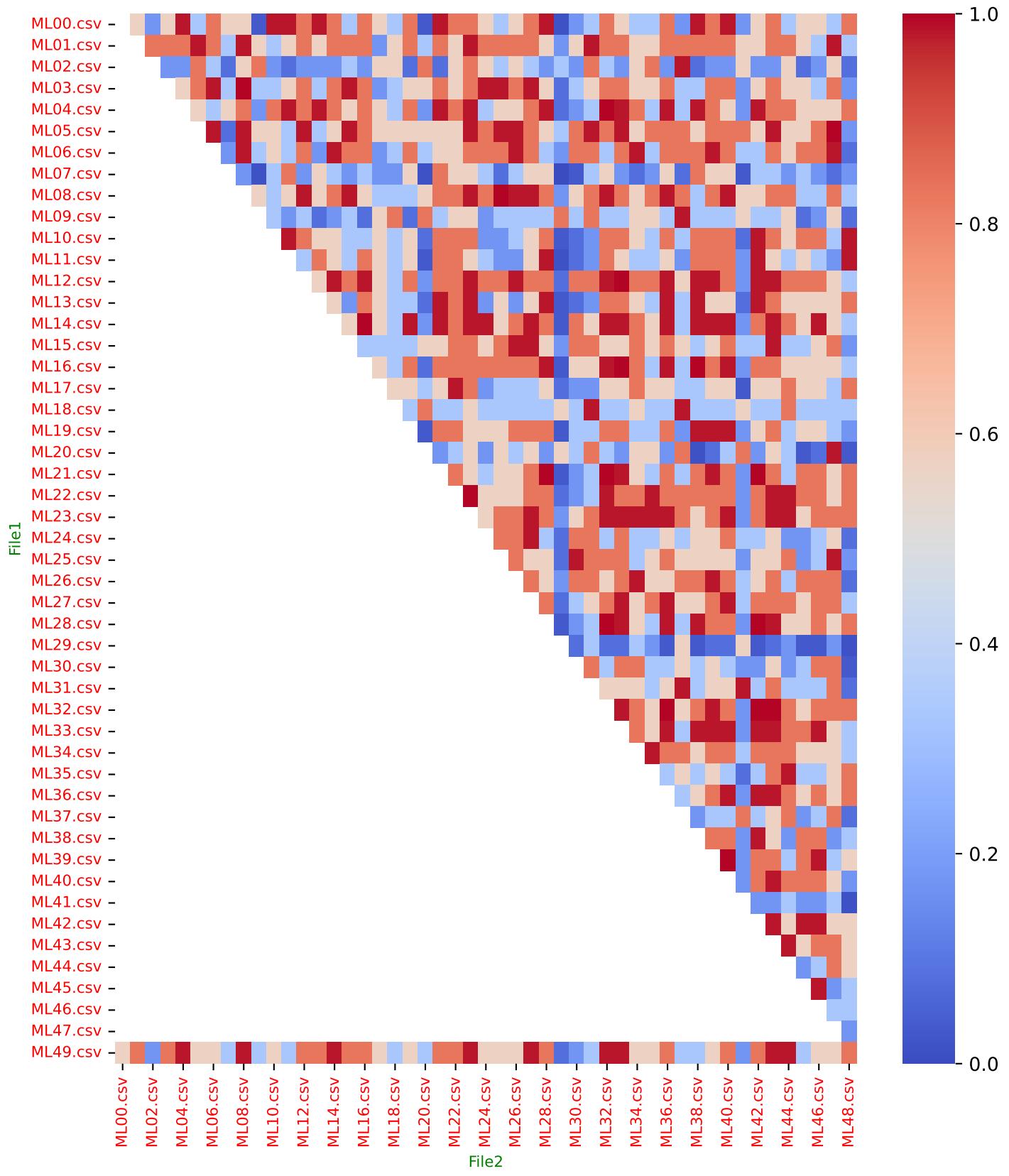


Implementation Number 170

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

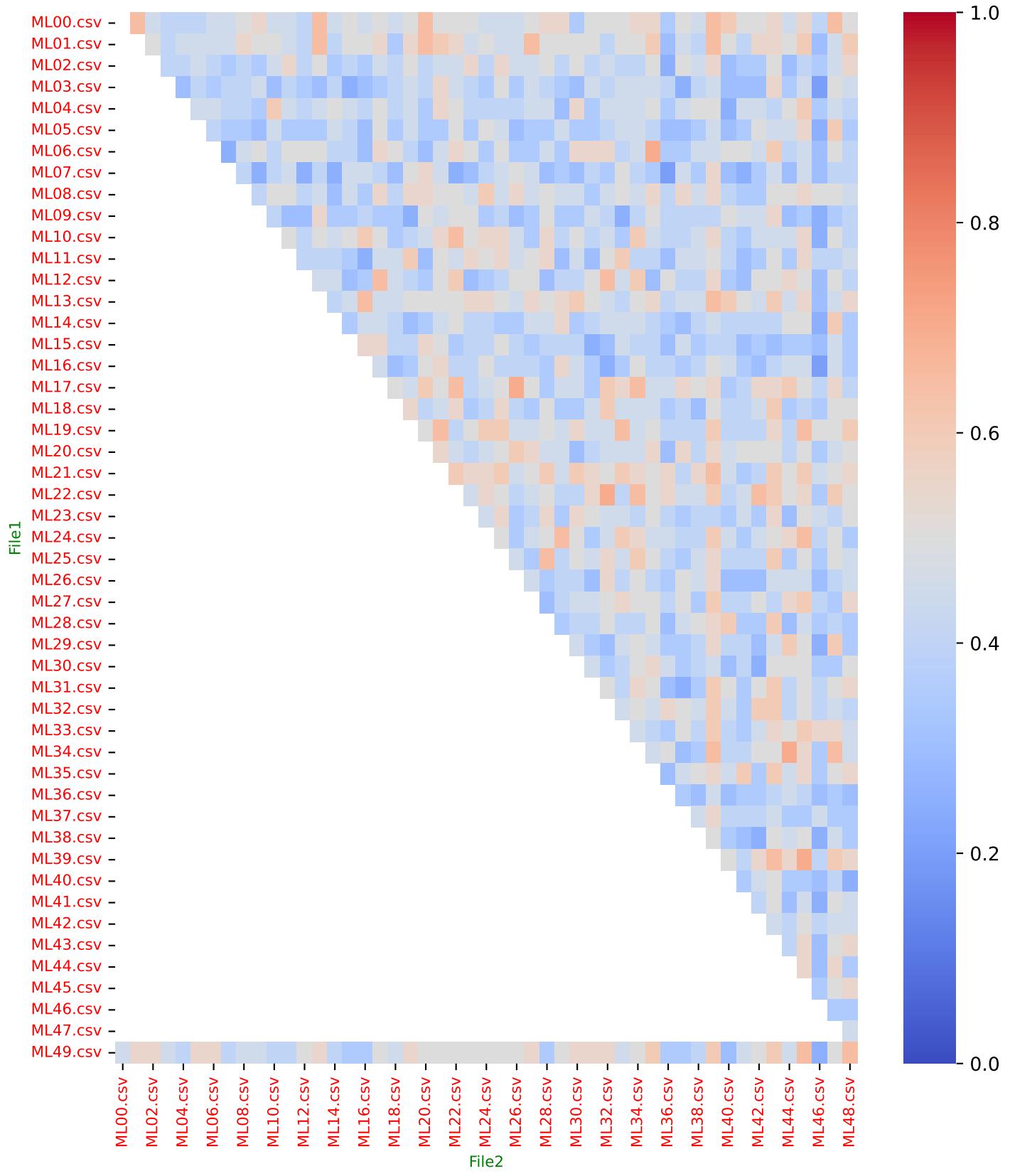


Implementation Number 170

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

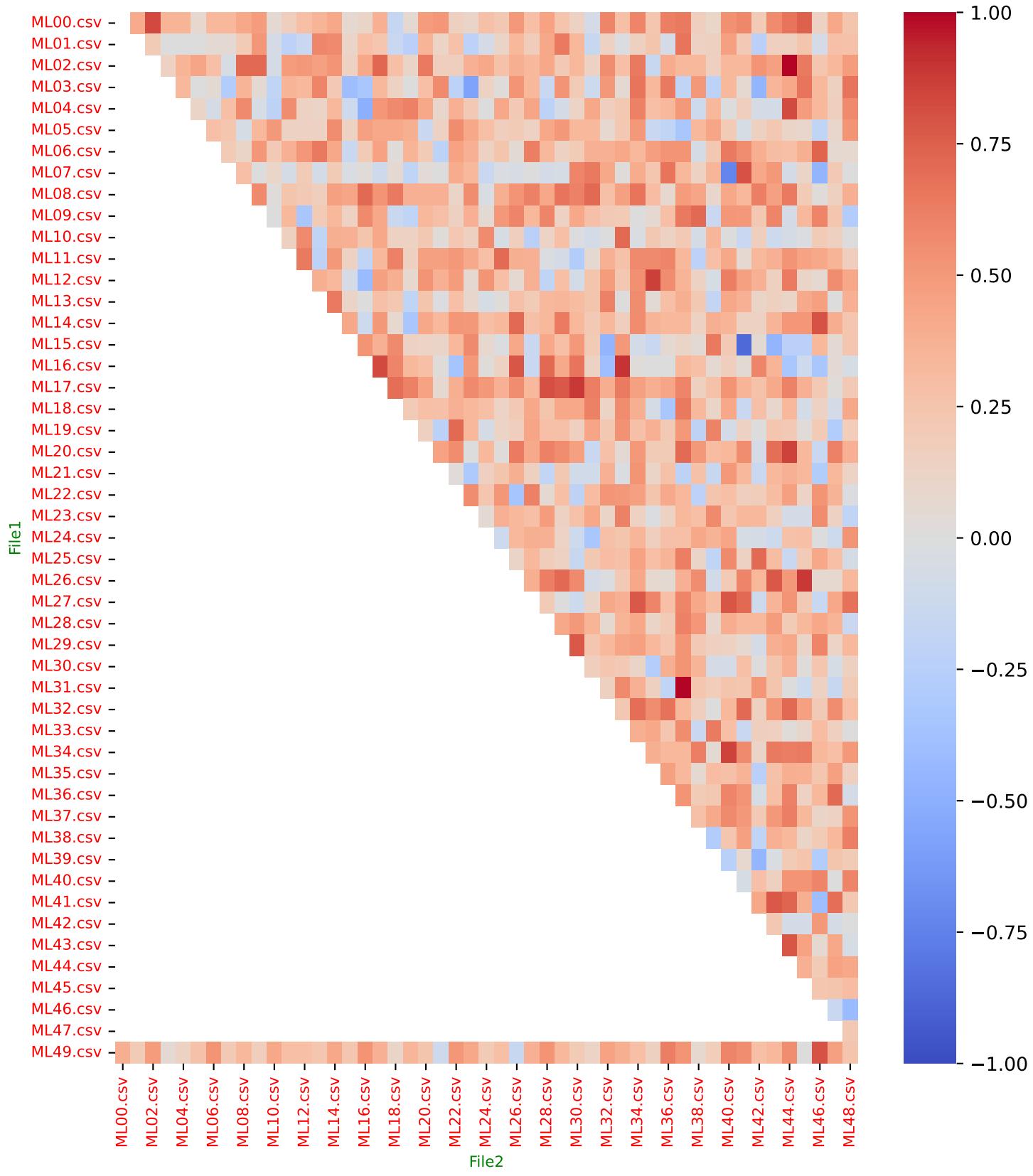


Implementation Number 170

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 171

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 30
Number of Files: 50**

Implementation Number 171

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 171

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 171

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
060.00 %	BAKON_211	00, 01, 03, 04, 05, 06, 07, 08, 10, 11, 12, 15, 16, 19, 23, 24, 26, 29, 31, 32, 33, 35, 36, 40, 42, 43, 44, 46, 48, 49
080.00 %	BAKON_422	00, 01, 02, 03, 05, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 33, 34, 35, 37, 38, 40, 42, 43, 44, 46, 47, 48, 49
098.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
028.00 %	BAKON_604	00, 02, 04, 08, 10, 21, 22, 23, 28, 30, 32, 36, 43, 49
016.00 %	BAKON_239	00, 03, 07, 24, 31, 32, 36, 44
084.00 %	BAKON_478	00, 01, 02, 03, 04, 06, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 44, 45, 48, 49
018.00 %	BAKON_450	00, 04, 19, 27, 30, 33, 35, 36, 38
060.00 %	BAKON_571	00, 01, 04, 06, 07, 08, 09, 12, 13, 14, 18, 20, 22, 25, 26, 27, 30, 31, 32, 34, 35, 37, 38, 39, 40, 41, 44, 45, 46, 48
052.00 %	BAKON_098	00, 01, 02, 07, 08, 09, 12, 13, 14, 17, 19, 20, 22, 28, 32, 33, 34, 36, 40, 41, 42, 43, 44, 46, 48, 49
080.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 11, 12, 13, 14, 15, 18, 19, 20, 21, 22, 23, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 39, 40, 41, 42, 44, 45, 46, 48, 49
036.00 %	BAKON_343	00, 01, 07, 09, 10, 14, 17, 24, 28, 31, 32, 35, 36, 39, 42, 44, 45, 49
092.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 44, 45, 46, 48
044.00 %	BAKON_425	00, 02, 03, 05, 06, 07, 14, 15, 16, 19, 20, 26, 31, 32, 34, 36, 42, 43, 44, 47, 48, 49
086.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
088.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12, 13, 14, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 49
076.00 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 14, 17, 18, 20, 21, 23, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 46, 49
034.00 %	BAKON_293	00, 02, 05, 06, 12, 13, 15, 18, 21, 26, 27, 28, 33, 39, 43, 45, 46
068.00 %	BAKON_570	00, 03, 04, 05, 06, 07, 09, 11, 12, 13, 15, 18, 20, 23, 25, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 40, 43, 44, 45, 46, 47, 48
008.00 %	BAKON_475	00, 06, 42, 46

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Global node Presence Mean (Weighted): 48.31%

Implementation Number 171

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.3953	0.5667	0.8080	0.2140
ML49.csv	ML01.csv	0.3043	0.4667	0.5941	0.2747
ML49.csv	ML02.csv	0.2766	0.4333	0.3929	0.4103
ML49.csv	ML03.csv	0.3636	0.5333	0.9578	0.2167
ML49.csv	ML04.csv	0.2245	0.3667	0.9988	0.1636
ML49.csv	ML05.csv	0.3953	0.5667	0.5941	0.2206
ML49.csv	ML06.csv	0.3636	0.5333	0.8080	0.6833
ML49.csv	ML07.csv	0.2500	0.4000	0.3929	0.1515
ML49.csv	ML08.csv	0.3636	0.5333	0.8080	0.2833
ML49.csv	ML09.csv	0.2500	0.4000	0.1350	0.3636
ML49.csv	ML10.csv	0.2766	0.4333	0.8080	0.4103
ML49.csv	ML11.csv	0.3636	0.5333	0.5941	0.3833
ML49.csv	ML12.csv	0.2766	0.4333	0.9578	0.2821
ML49.csv	ML13.csv	0.3636	0.5333	0.8080	0.1333
ML49.csv	ML14.csv	0.3636	0.5333	0.5941	0.4333
ML49.csv	ML15.csv	0.2000	0.3333	0.9578	0.2000
ML49.csv	ML16.csv	0.2500	0.4000	0.9578	0.1515
ML49.csv	ML17.csv	0.3043	0.4667	0.2391	0.5824
ML49.csv	ML18.csv	0.2245	0.3667	0.0065	0.2727
ML49.csv	ML19.csv	0.3043	0.4667	0.8080	0.5165
ML49.csv	ML20.csv	0.3636	0.5333	0.5941	0.4000
ML49.csv	ML21.csv	0.2500	0.4000	0.8080	-0.1818
ML49.csv	ML22.csv	0.3333	0.5000	0.8080	0.2952
ML49.csv	ML23.csv	0.2500	0.4000	0.5941	0.5152
ML49.csv	ML24.csv	0.3333	0.5000	0.8080	0.3333
ML49.csv	ML25.csv	0.3333	0.5000	0.8080	0.5742
ML49.csv	ML26.csv	0.3953	0.5667	0.8080	0.3321
ML49.csv	ML27.csv	0.4286	0.6000	0.3929	0.5948
ML49.csv	ML28.csv	0.2766	0.4333	0.9578	0.5128
ML49.csv	ML29.csv	0.3636	0.5333	0.0709	0.3333
ML49.csv	ML30.csv	0.3333	0.5000	0.3929	0.3333
ML49.csv	ML31.csv	0.3953	0.5667	0.0709	0.3824
ML49.csv	ML32.csv	0.4286	0.6000	0.9988	0.3987
ML49.csv	ML33.csv	0.3043	0.4667	0.8080	0.6044
ML49.csv	ML34.csv	0.3636	0.5333	0.5941	0.2762

Implementation Number 171

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.4286	0.6000	0.8080	0.1242
ML49.csv	ML36.csv	0.2245	0.3667	0.8080	0.7818
ML49.csv	ML37.csv	0.2500	0.4000	0.2391	0.2424
ML49.csv	ML38.csv	0.2766	0.4333	0.3929	0.3333
ML49.csv	ML39.csv	0.3636	0.5333	0.8080	0.3000
ML49.csv	ML40.csv	0.3043	0.4667	0.9578	0.3315
ML49.csv	ML41.csv	0.4286	0.6000	0.1350	0.1895
ML49.csv	ML42.csv	0.3333	0.5000	0.9578	0.3828
ML49.csv	ML43.csv	0.4286	0.6000	0.9988	0.3934
ML49.csv	ML44.csv	0.2766	0.4333	0.3929	0.3590
ML49.csv	ML45.csv	0.3043	0.4667	0.5941	0.0989
ML49.csv	ML46.csv	0.1765	0.3000	0.8080	0.6111
ML49.csv	ML47.csv	0.3333	0.5000	0.8080	-0.0095
ML49.csv	ML48.csv	0.3333	0.5000	0.8080	0.2762
ML00.csv	ML01.csv	0.3953	0.5667	0.8080	0.1324

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Global Metrics:

Mean Jaccard Coefficient (J): 0.3128

Fleiss' Kappa Agreement Index (κ_F): 0.3439

Mean KS Distance Between Pairs (D): 0.2132

Mean p-value for KS Test Pairs: 0.5625

Mean KS Distance for Multiple Samples (D_{mult}): 0.1567

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.4934

Mean Kendall Tau ($\bar{\tau}$): 0.2865

Median Kendall Tau ($\tilde{\tau}$): 0.2967

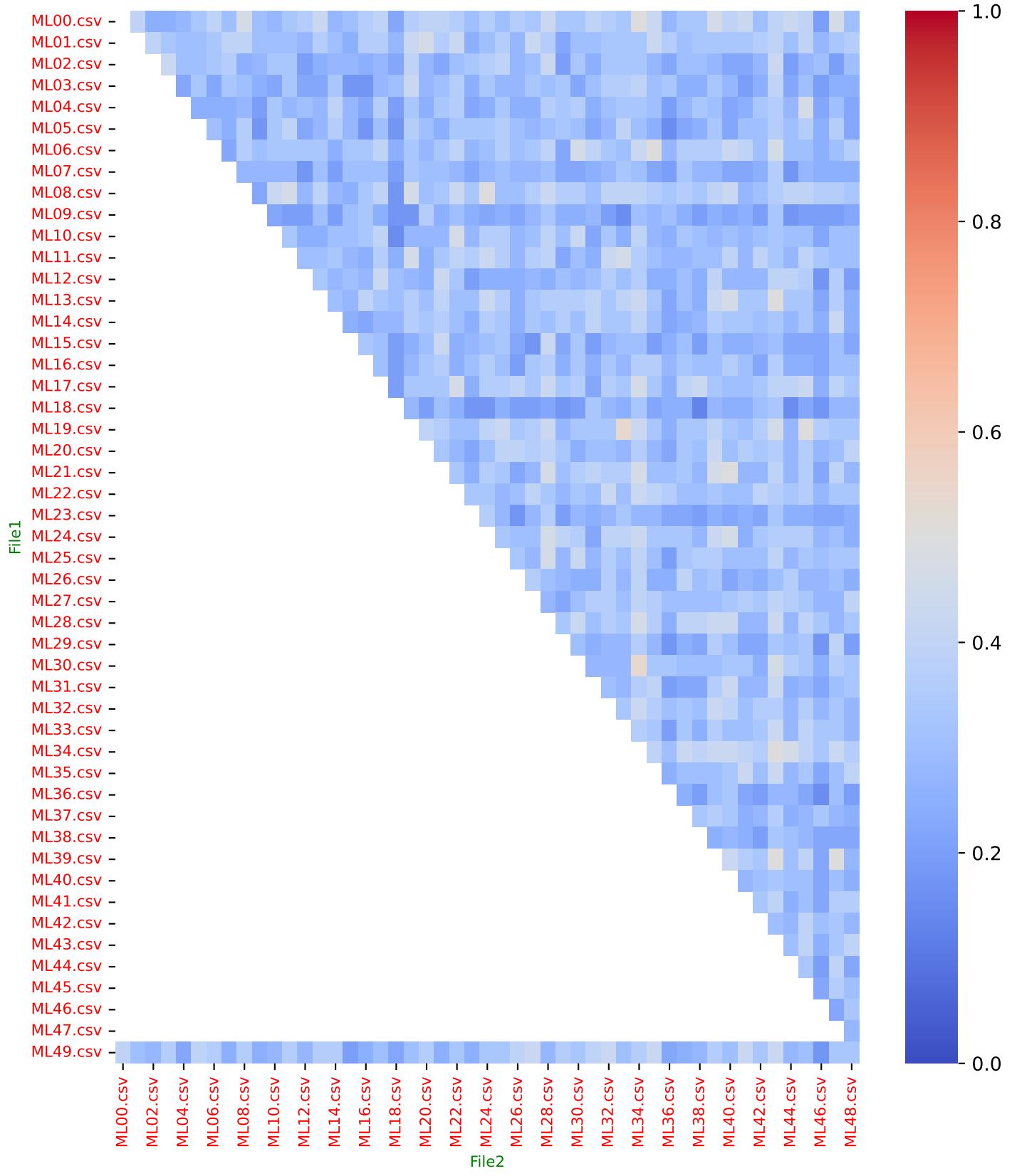
Percentage of Pairs with $\tau > 0$: 91.18%

Implementation Number 171

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

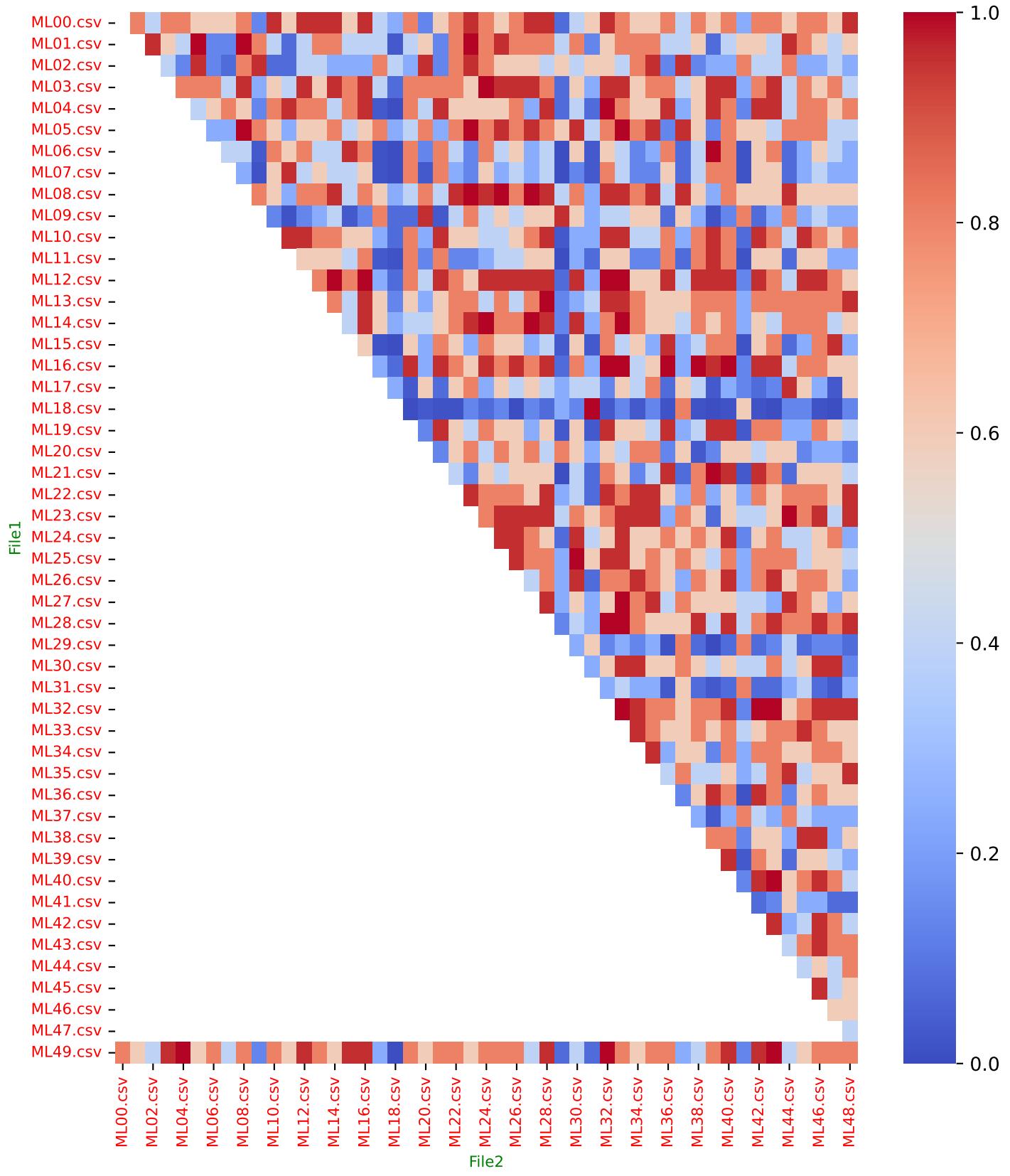


Implementation Number 171

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

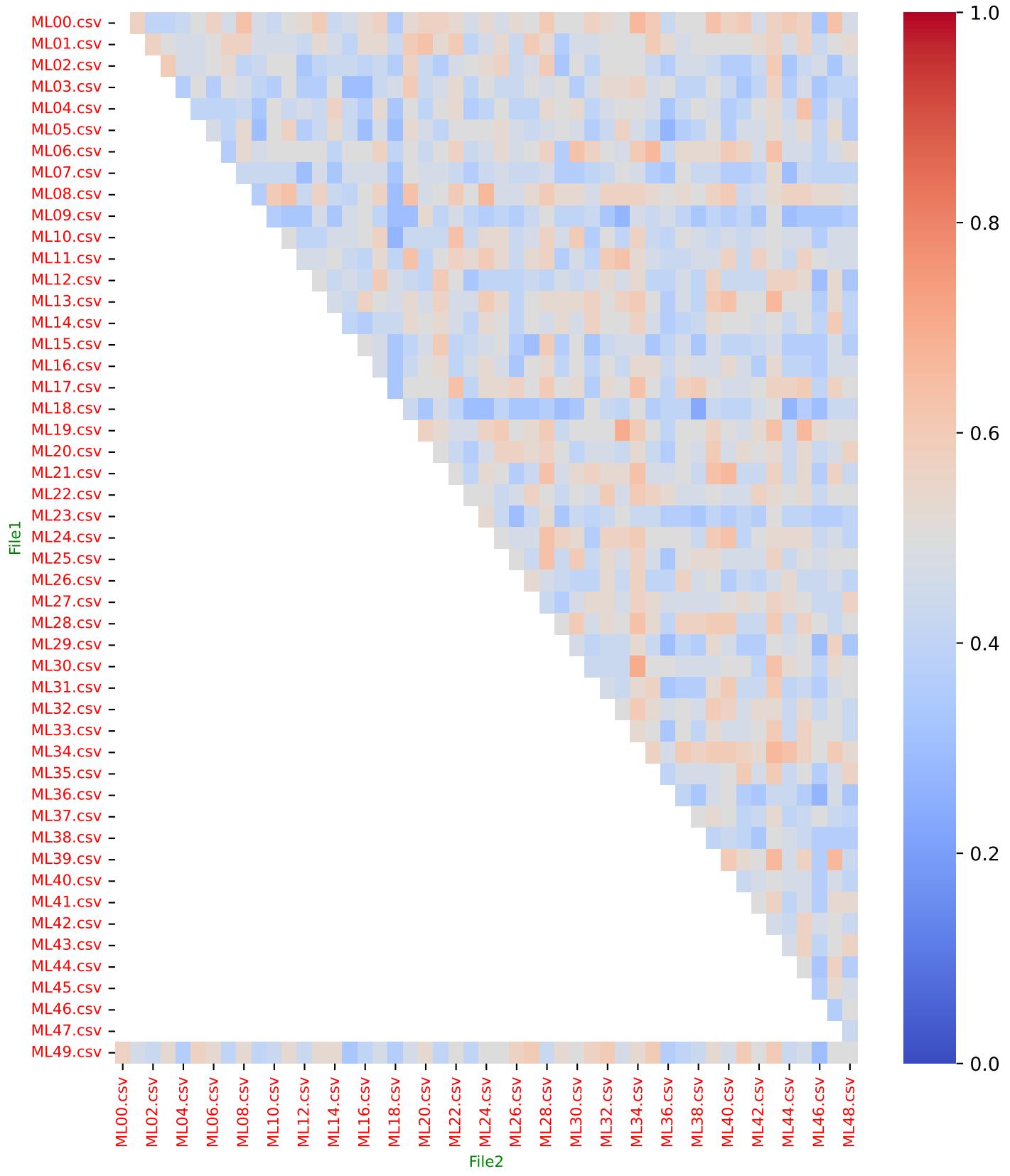


Implementation Number 171

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

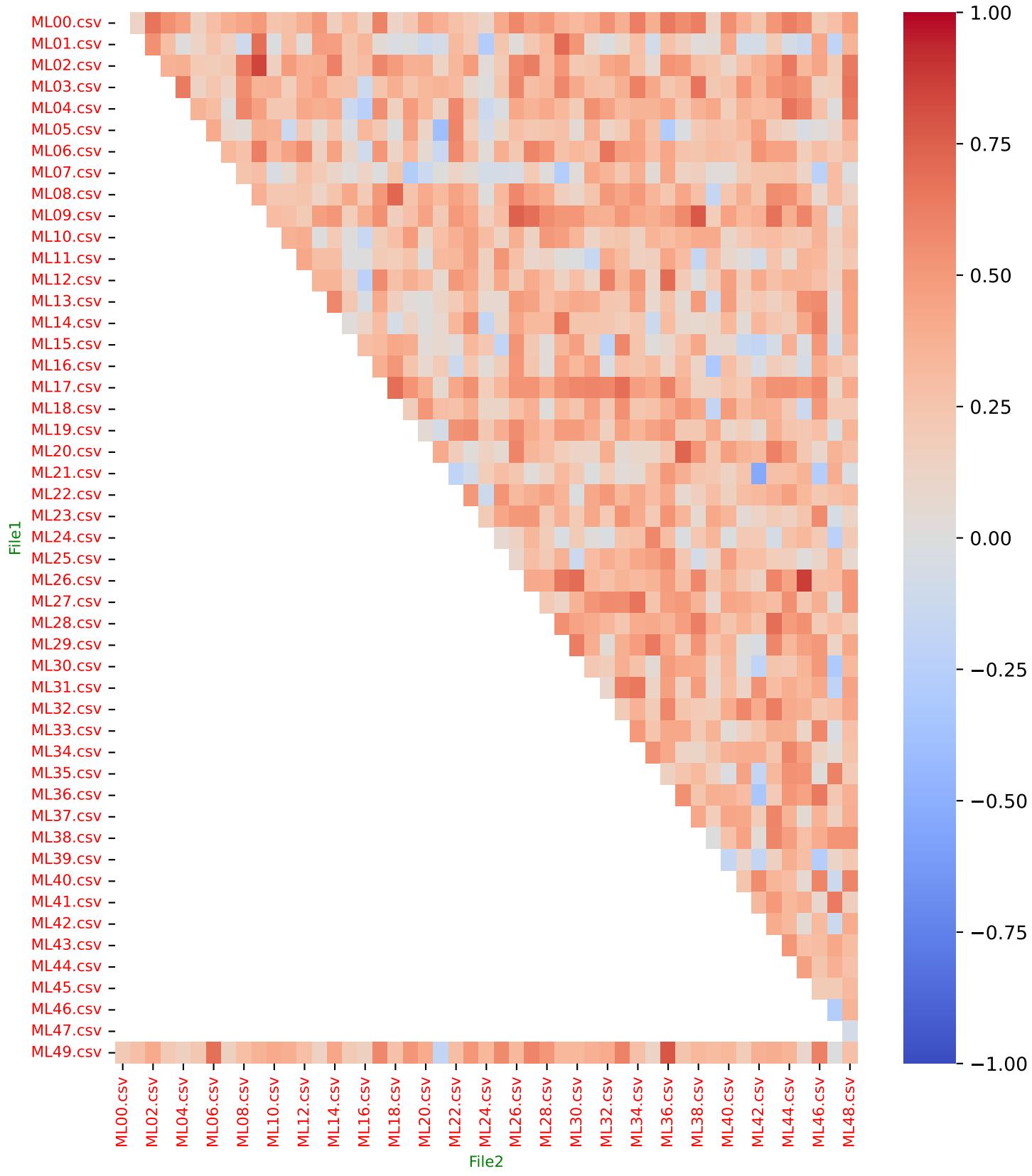


Implementation Number 171

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 172

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 50
Number of Files: 50**

Implementation Number 172

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 172

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 172

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
072.00 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 19, 21, 23, 24, 25, 26, 29, 31, 32, 33, 35, 36, 40, 42, 43, 44, 46, 47, 48, 49
094.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 46, 47, 48, 49
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
064.00 %	BAKON_604	00, 02, 04, 07, 08, 10, 11, 12, 13, 18, 20, 21, 22, 23, 24, 27, 28, 30, 32, 33, 34, 35, 36, 37, 39, 40, 42, 43, 44, 45, 46, 49
028.00 %	BAKON_239	00, 03, 04, 07, 10, 16, 24, 31, 32, 36, 43, 44, 48, 49
092.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 48, 49
030.00 %	BAKON_450	00, 04, 05, 06, 09, 17, 19, 27, 30, 33, 35, 36, 38, 42, 49
068.00 %	BAKON_571	00, 01, 04, 06, 07, 08, 09, 12, 13, 14, 16, 17, 18, 20, 22, 25, 26, 27, 30, 31, 32, 34, 35, 37, 38, 39, 40, 41, 42, 44, 45, 46, 47, 48
060.00 %	BAKON_098	00, 01, 02, 07, 08, 09, 12, 13, 14, 17, 19, 20, 21, 22, 24, 28, 29, 32, 33, 34, 36, 39, 40, 41, 42, 43, 44, 46, 48, 49
086.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 39, 40, 41, 42, 44, 45, 46, 48, 49
048.00 %	BAKON_343	00, 01, 04, 07, 09, 10, 14, 17, 24, 25, 26, 28, 30, 31, 32, 34, 35, 36, 39, 42, 44, 45, 48, 49
092.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 44, 45, 46, 48
086.00 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12, 14, 15, 16, 18, 19, 20, 21, 22, 24, 25, 26, 27, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 46, 47, 48, 49
088.00 %	BAKON_301	00, 01, 02, 04, 06, 07, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
092.00 %	BAKON_317	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
084.00 %	BAKON_319	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 15, 17, 18, 20, 21, 23, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48, 49

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Global node Presence Mean (Weighted): 54.08%

Implementation Number 172

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.3333	0.5000	0.0217	0.3907
ML49.csv	ML01.csv	0.4085	0.5800	0.5487	0.2069
ML49.csv	ML02.csv	0.3514	0.5200	0.0678	0.6040
ML49.csv	ML03.csv	0.4085	0.5800	0.3959	0.2759
ML49.csv	ML04.csv	0.3333	0.5000	0.9667	0.2571
ML49.csv	ML05.csv	0.3514	0.5200	0.2719	0.2404
ML49.csv	ML06.csv	0.4925	0.6600	0.9667	0.4190
ML49.csv	ML07.csv	0.3333	0.5000	0.7166	0.2972
ML49.csv	ML08.csv	0.4085	0.5800	0.1786	0.2217
ML49.csv	ML09.csv	0.3699	0.5400	0.3959	0.3024
ML49.csv	ML10.csv	0.3158	0.4800	0.1124	0.1957
ML49.csv	ML11.csv	0.3514	0.5200	0.1124	0.2738
ML49.csv	ML12.csv	0.3333	0.5000	0.3959	0.4800
ML49.csv	ML13.csv	0.4493	0.6200	0.3959	0.3548
ML49.csv	ML14.csv	0.3889	0.5600	0.3959	0.2857
ML49.csv	ML15.csv	0.3158	0.4800	0.9977	0.1377
ML49.csv	ML16.csv	0.3514	0.5200	0.1124	0.2246
ML49.csv	ML17.csv	0.3514	0.5200	0.2719	0.3723
ML49.csv	ML18.csv	0.2500	0.4000	0.0058	0.4316
ML49.csv	ML19.csv	0.3514	0.5200	0.9667	0.2800
ML49.csv	ML20.csv	0.3889	0.5600	0.1786	0.1323
ML49.csv	ML21.csv	0.3514	0.5200	0.5487	0.2677
ML49.csv	ML22.csv	0.3514	0.5200	0.8693	0.4277
ML49.csv	ML23.csv	0.3514	0.5200	0.0678	0.4215
ML49.csv	ML24.csv	0.4085	0.5800	0.0392	0.2562
ML49.csv	ML25.csv	0.4286	0.6000	0.1786	0.4511
ML49.csv	ML26.csv	0.4286	0.6000	0.7166	0.3867
ML49.csv	ML27.csv	0.3514	0.5200	0.2719	0.5385
ML49.csv	ML28.csv	0.4286	0.6000	0.2719	0.2046
ML49.csv	ML29.csv	0.3889	0.5600	0.2719	0.2751
ML49.csv	ML30.csv	0.4085	0.5800	0.3959	0.3744
ML49.csv	ML31.csv	0.3889	0.5600	0.0115	0.5238
ML49.csv	ML32.csv	0.4706	0.6400	0.7166	0.5766
ML49.csv	ML33.csv	0.4085	0.5800	0.7166	0.4680
ML49.csv	ML34.csv	0.4493	0.6200	0.3959	0.3272

Implementation Number 172

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.4286	0.6000	0.3959	0.2460
ML49.csv	ML36.csv	0.3333	0.5000	0.2719	0.3467
ML49.csv	ML37.csv	0.2821	0.4400	0.0678	0.4199
ML49.csv	ML38.csv	0.4493	0.6200	0.7166	0.0818
ML49.csv	ML39.csv	0.3889	0.5600	0.3959	0.4762
ML49.csv	ML40.csv	0.2821	0.4400	0.7166	0.2430
ML49.csv	ML41.csv	0.4085	0.5800	0.0392	0.1527
ML49.csv	ML42.csv	0.3514	0.5200	0.7166	0.3821
ML49.csv	ML43.csv	0.3889	0.5600	0.7166	0.4795
ML49.csv	ML44.csv	0.3514	0.5200	0.7166	0.1754
ML49.csv	ML45.csv	0.3333	0.5000	0.7166	0.3133
ML49.csv	ML46.csv	0.2500	0.4000	0.9667	0.1214
ML49.csv	ML47.csv	0.3333	0.5000	0.9667	0.2067
ML49.csv	ML48.csv	0.3889	0.5600	0.2719	0.3175
ML00.csv	ML01.csv	0.4493	0.6200	0.2719	0.0904

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Global Metrics:

Mean Jaccard Coefficient (J): 0.3639

Fleiss' Kappa Agreement Index (κ_F): 0.3772

Mean KS Distance Between Pairs (D): 0.1762

Mean p-value for KS Test Pairs: 0.4947

Mean KS Distance for Multiple Samples (D_{mult}): 0.1281

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.4491

Mean Kendall Tau ($\bar{\tau}$): 0.3074

Median Kendall Tau ($\tilde{\tau}$): 0.3103

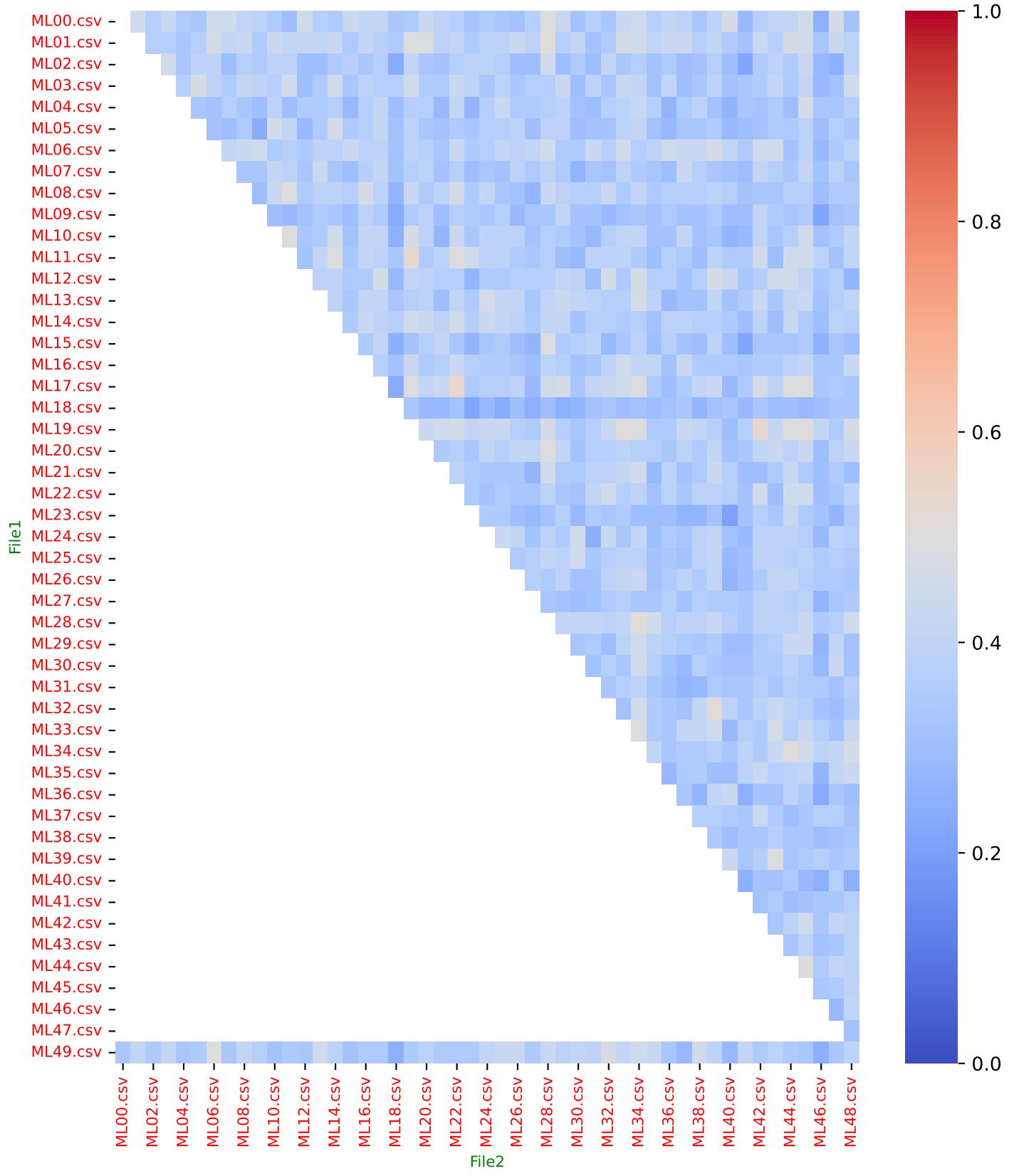
Percentage of Pairs with $\tau > 0$: 98.86%

Implementation Number 172

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

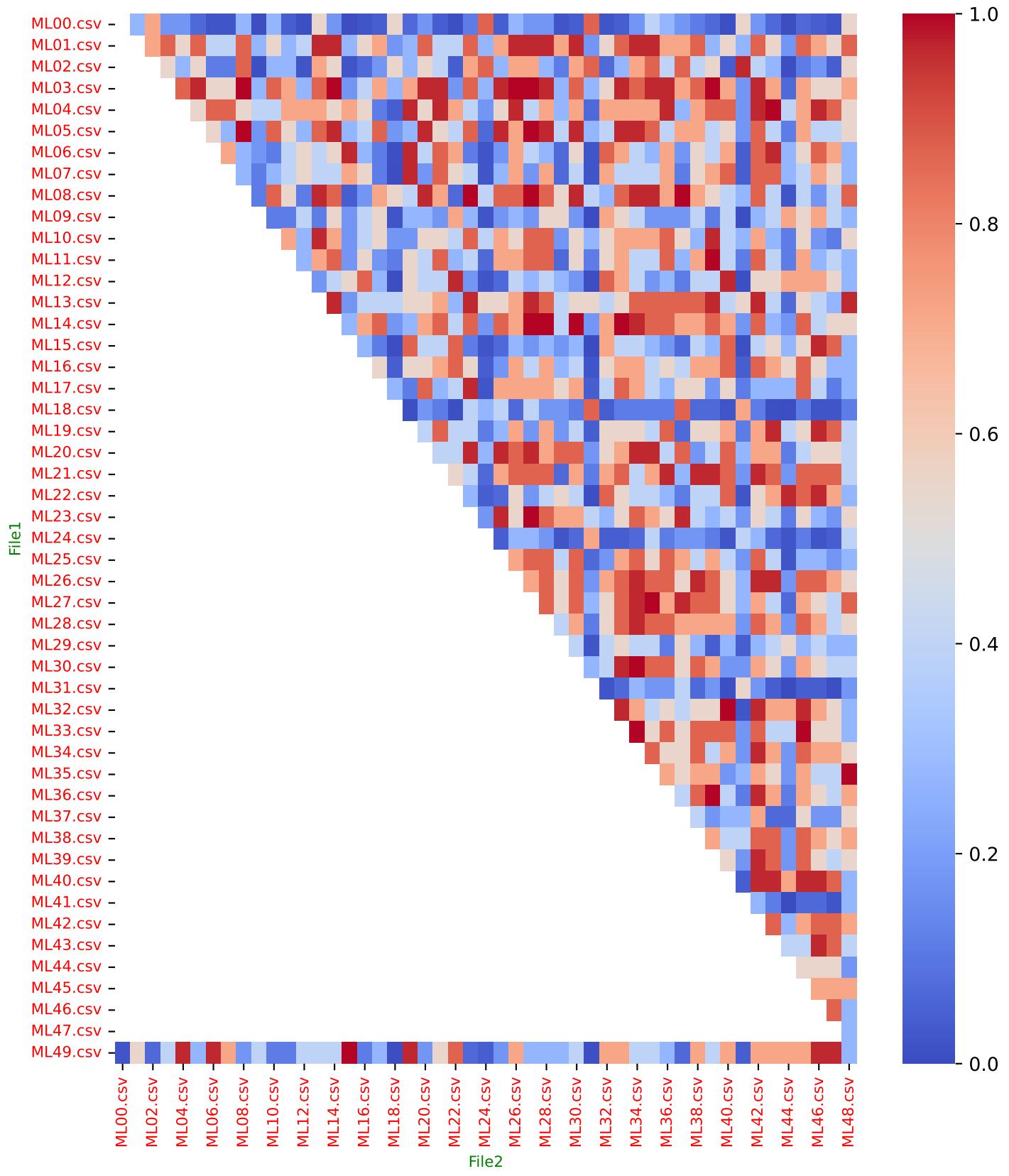


Implementation Number 172

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

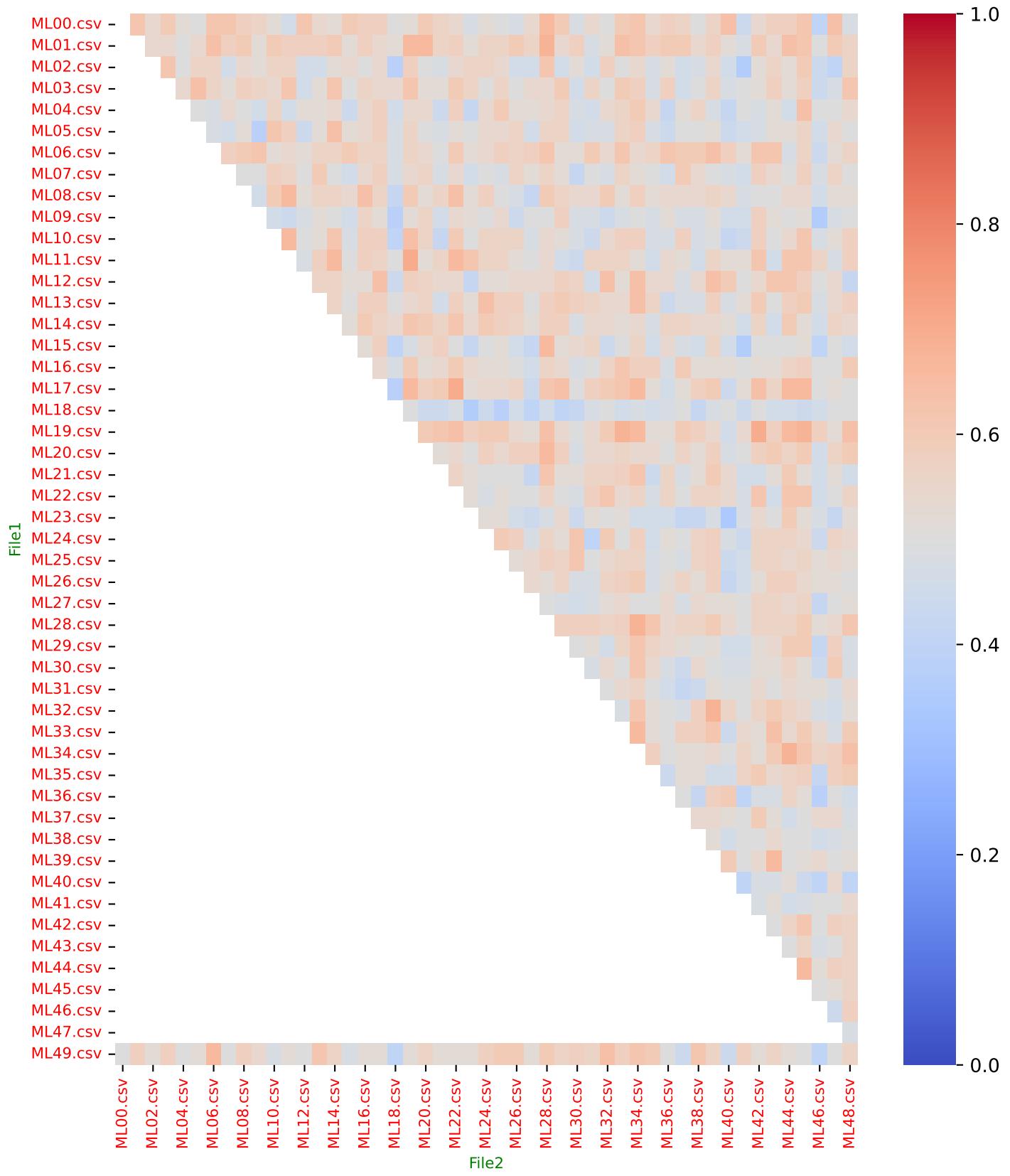


Implementation Number 172

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

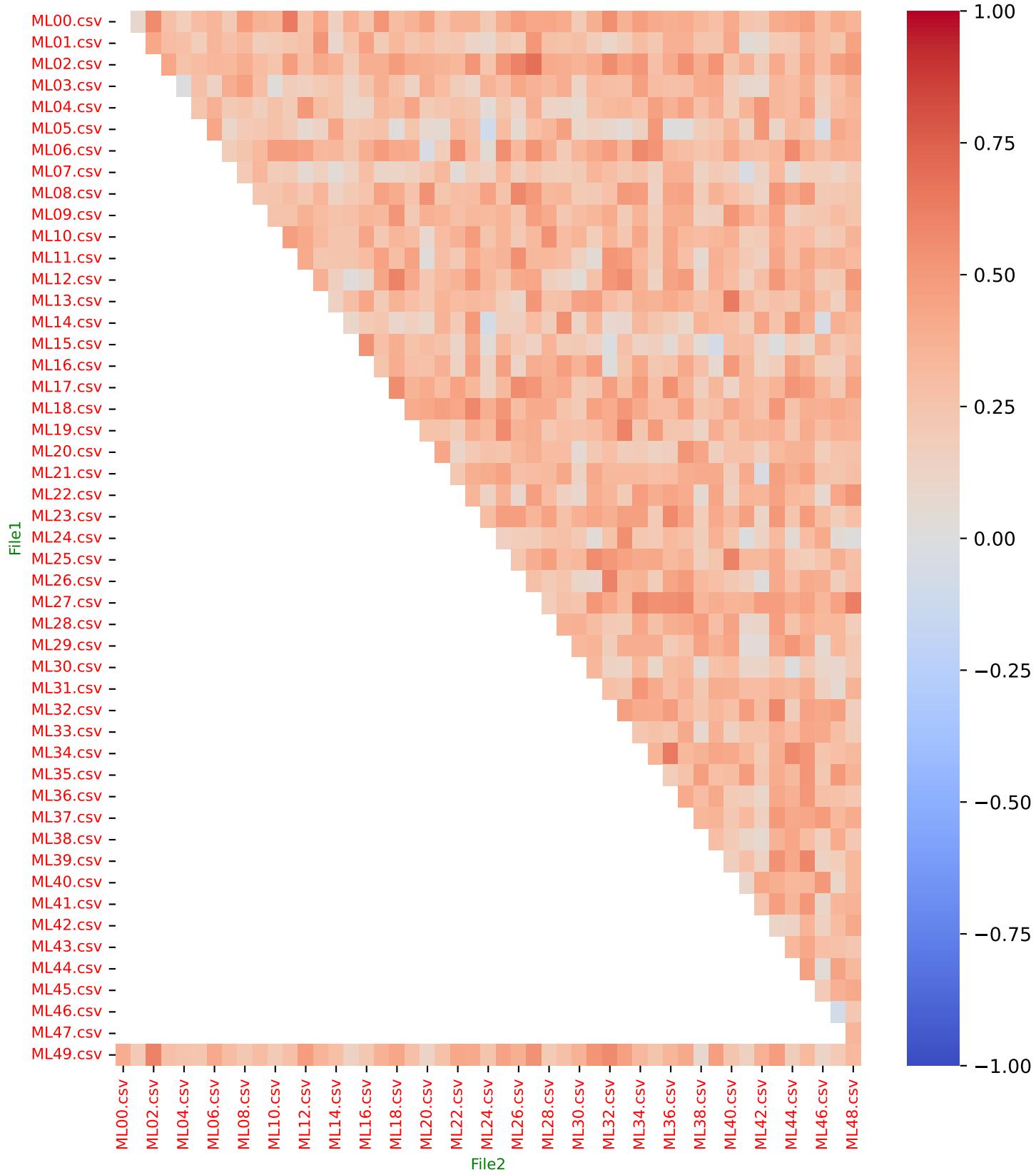


Implementation Number 172

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 173

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 100
Number of Files: 50**

Implementation Number 173

Parameters: Top_N = 100

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 173

Parameters: Top_N = 100

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 173

Parameters: Top_N = 100

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
092.00 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 29, 30, 31, 32, 33, 35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
100.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
096.00 %	BAKON_604	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
048.00 %	BAKON_239	00, 02, 03, 04, 06, 07, 10, 14, 16, 20, 23, 24, 27, 28, 31, 32, 36, 41, 43, 44, 45, 46, 48, 49
100.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
074.00 %	BAKON_450	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 16, 17, 18, 19, 21, 23, 24, 25, 27, 28, 30, 31, 33, 35, 36, 37, 38, 40, 42, 44, 45, 46, 49
088.00 %	BAKON_571	00, 01, 03, 04, 06, 07, 08, 09, 11, 12, 13, 14, 15, 16, 17, 18, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48
088.00 %	BAKON_098	00, 01, 02, 03, 04, 05, 07, 08, 09, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
092.00 %	BAKON_572	00, 01, 02, 03, 04, 05, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 44, 45, 46, 48, 49
054.00 %	BAKON_343	00, 01, 02, 04, 07, 09, 10, 14, 17, 19, 24, 25, 26, 28, 30, 31, 32, 34, 35, 36, 39, 42, 44, 45, 47, 48, 49
094.00 %	BAKON_437	00, 01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48
100.00 %	BAKON_425	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49

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Global node Presence Mean (Weighted): 65.17%

Implementation Number 173

Parameters: Top_N = 100

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.4184	0.5900	0.1548	0.3578
ML49.csv	ML01.csv	0.5267	0.6900	0.9084	0.2920
ML49.csv	ML02.csv	0.4388	0.6100	0.2819	0.3088
ML49.csv	ML03.csv	0.4388	0.6100	0.3682	0.3366
ML49.csv	ML04.csv	0.4184	0.5900	0.9684	0.3625
ML49.csv	ML05.csv	0.4706	0.6400	0.2112	0.3359
ML49.csv	ML06.csv	0.5038	0.6700	0.9684	0.5012
ML49.csv	ML07.csv	0.4184	0.5900	0.8154	0.2736
ML49.csv	ML08.csv	0.4706	0.6400	0.3682	0.3226
ML49.csv	ML09.csv	0.5152	0.6800	0.5830	0.3886
ML49.csv	ML10.csv	0.4184	0.5900	0.2819	0.3910
ML49.csv	ML11.csv	0.4599	0.6300	0.4695	0.4384
ML49.csv	ML12.csv	0.4599	0.6300	0.8154	0.3108
ML49.csv	ML13.csv	0.5504	0.7100	0.7021	0.3046
ML49.csv	ML14.csv	0.5385	0.7000	0.2112	0.3562
ML49.csv	ML15.csv	0.4388	0.6100	0.4695	0.1902
ML49.csv	ML16.csv	0.4815	0.6500	0.4695	0.2635
ML49.csv	ML17.csv	0.5038	0.6700	0.7021	0.3360
ML49.csv	ML18.csv	0.3986	0.5700	0.1112	0.1654
ML49.csv	ML19.csv	0.4388	0.6100	0.1112	0.2831
ML49.csv	ML20.csv	0.4388	0.6100	0.5830	0.2918
ML49.csv	ML21.csv	0.5038	0.6700	0.4695	0.3605
ML49.csv	ML22.csv	0.4925	0.6600	0.7021	0.3764
ML49.csv	ML23.csv	0.5267	0.6900	0.0241	0.3279
ML49.csv	ML24.csv	0.4925	0.6600	0.2112	0.2238
ML49.csv	ML25.csv	0.4388	0.6100	0.5830	0.4324
ML49.csv	ML26.csv	0.4706	0.6400	0.0539	0.3806
ML49.csv	ML27.csv	0.4706	0.6400	0.7021	0.3686
ML49.csv	ML28.csv	0.4925	0.6600	0.7021	0.2173
ML49.csv	ML29.csv	0.4925	0.6600	0.7021	0.2131
ML49.csv	ML30.csv	0.4493	0.6200	0.4695	0.3591
ML49.csv	ML31.csv	0.4815	0.6500	0.1548	0.3577
ML49.csv	ML32.csv	0.5267	0.6900	0.5830	0.4774
ML49.csv	ML33.csv	0.4706	0.6400	0.8154	0.3681
ML49.csv	ML34.csv	0.5038	0.6700	0.1548	0.3936

Implementation Number 173

Parameters: Top_N = 100

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.5385	0.7000	0.8154	0.3330
ML49.csv	ML36.csv	0.4388	0.6100	0.7021	0.3377
ML49.csv	ML37.csv	0.4286	0.6000	0.3682	0.1831
ML49.csv	ML38.csv	0.5385	0.7000	0.7021	0.3612
ML49.csv	ML39.csv	0.3986	0.5700	0.8154	0.4724
ML49.csv	ML40.csv	0.4388	0.6100	0.9684	0.2192
ML49.csv	ML41.csv	0.4599	0.6300	0.0156	0.4368
ML49.csv	ML42.csv	0.4286	0.6000	0.1548	0.3103
ML49.csv	ML43.csv	0.4388	0.6100	0.4695	0.4280
ML49.csv	ML44.csv	0.4925	0.6600	0.9684	0.1282
ML49.csv	ML45.csv	0.4286	0.6000	0.2819	0.2933
ML49.csv	ML46.csv	0.4815	0.6500	0.5830	0.1351
ML49.csv	ML47.csv	0.4925	0.6600	0.9684	0.3768
ML49.csv	ML48.csv	0.5152	0.6800	0.3682	0.4416
ML00.csv	ML01.csv	0.5385	0.7000	0.1548	0.3090

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Global Metrics:

Mean Jaccard Coefficient (J): 0.4769

Fleiss' Kappa Agreement Index (κ_F): 0.4703

Mean KS Distance Between Pairs (D): 0.1201

Mean p-value for KS Test Pairs: 0.5148

Mean KS Distance for Multiple Samples (D_{mult}): 0.0850

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.5001

Mean Kendall Tau ($\bar{\tau}$): 0.3149

Median Kendall Tau ($\tilde{\tau}$): 0.3145

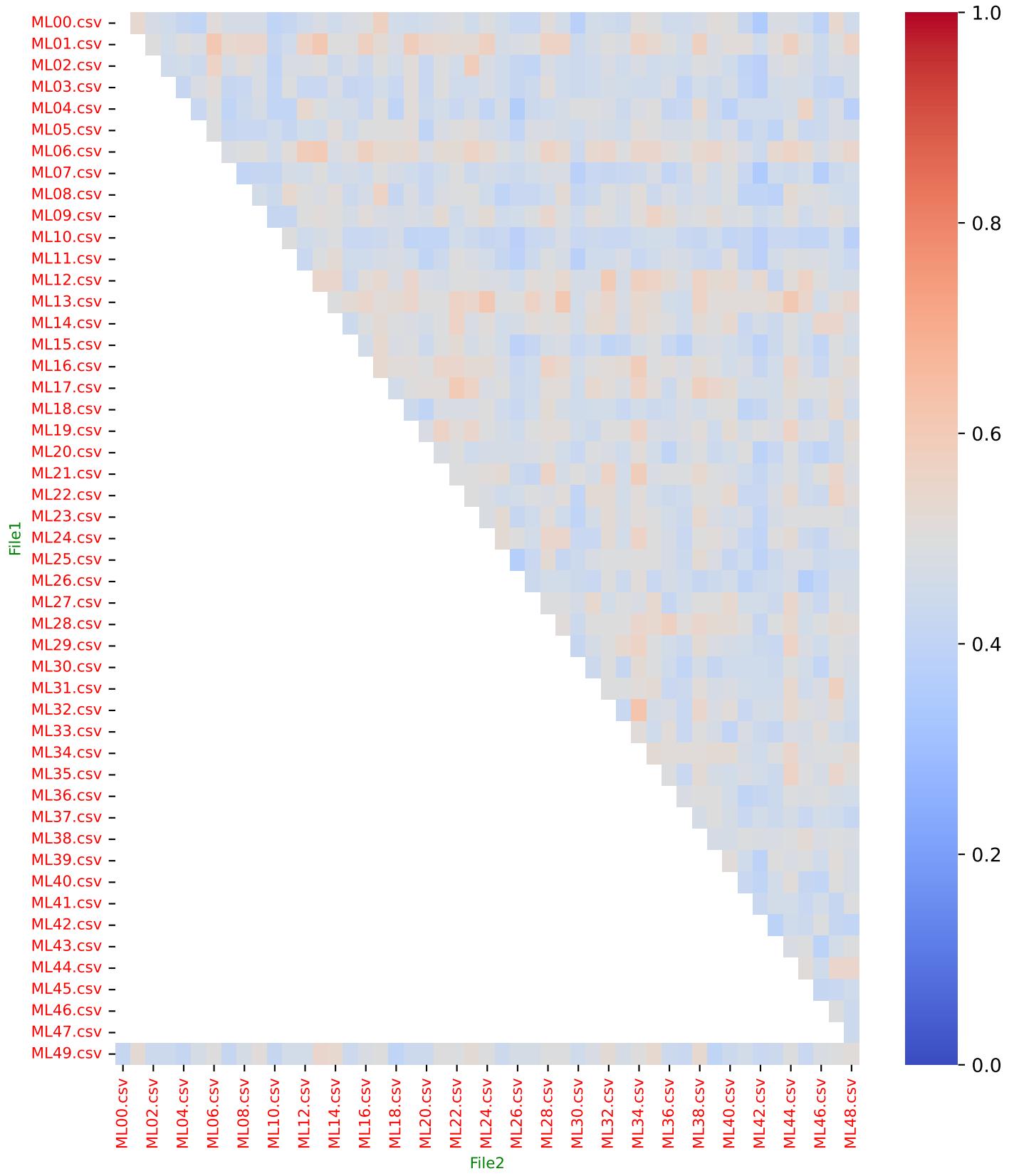
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 173

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

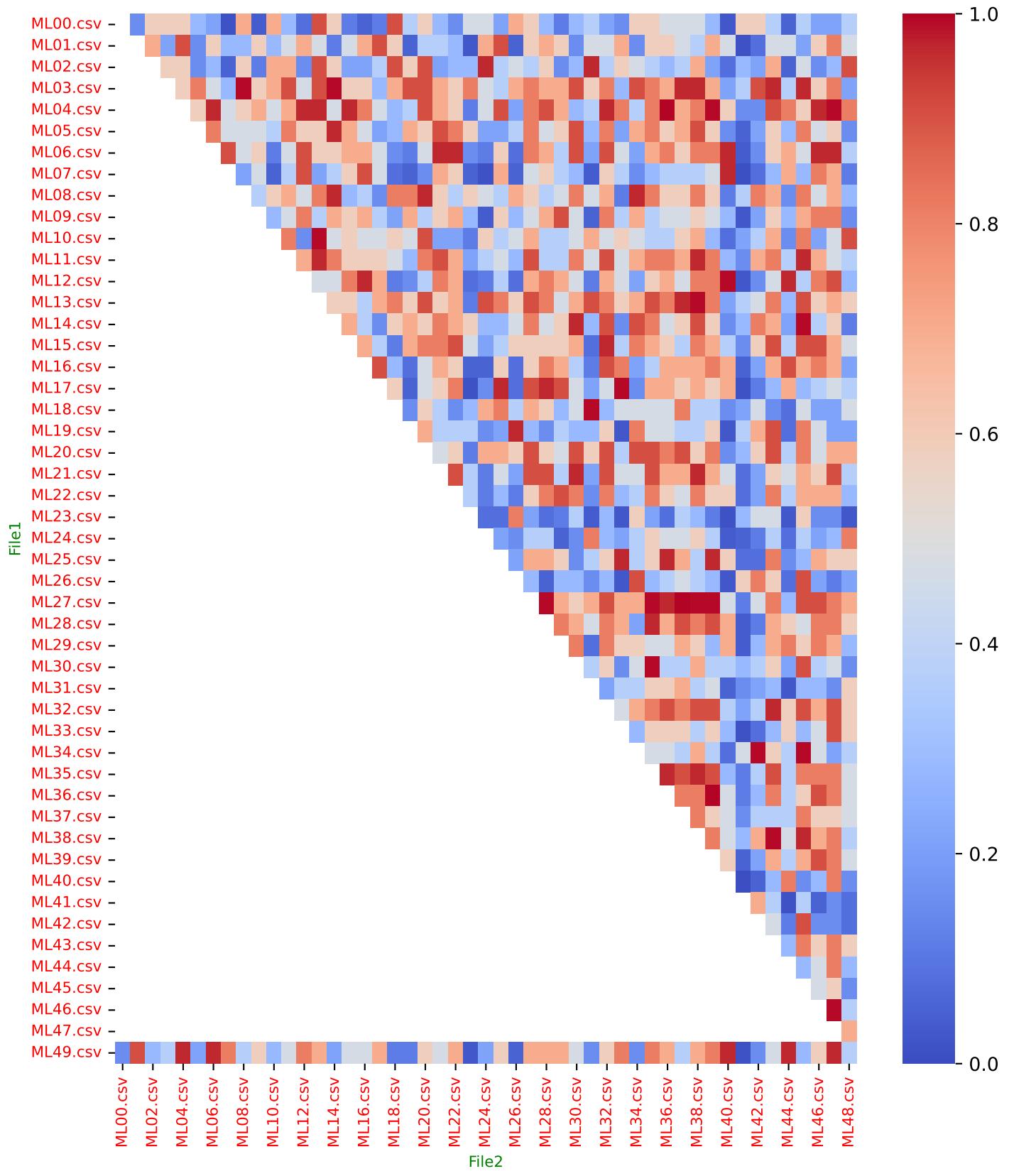


Implementation Number 173

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

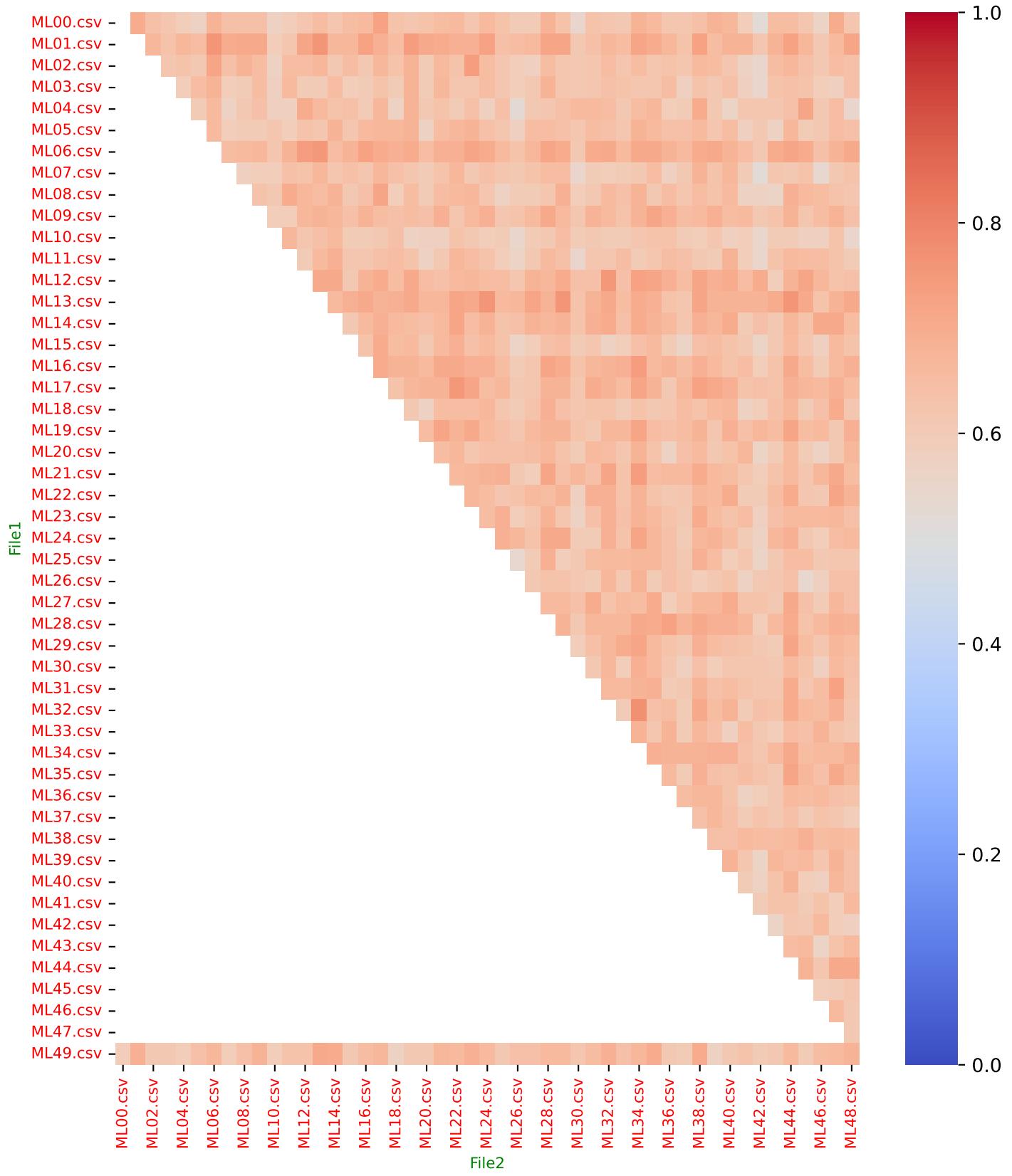


Implementation Number 173

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

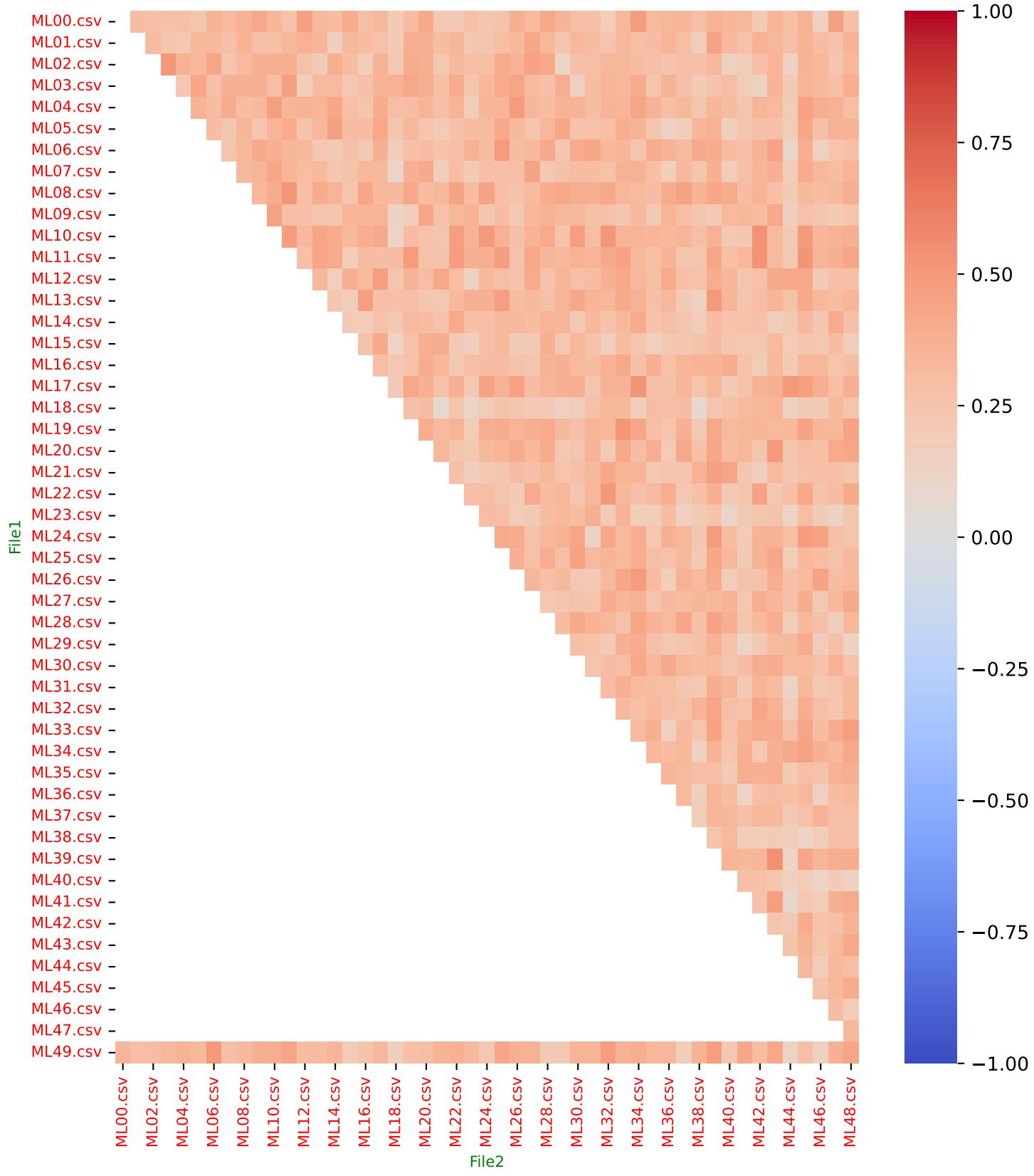


Implementation Number 173

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 174

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Betweennesscentrality*

**Top Nodes: 200
Number of Files: 50**

Implementation Number 174

Parameters: Top_N = 200

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file

Label	File	Betweenesscentrality
BAKON_211	00	2622.7199
BAKON_422	00	1689.3801
BAKON_433	00	1531.1767
BAKON_604	00	1339.9113
BAKON_239	00	1318.3864
BAKON_478	00	1291.0071
BAKON_450	00	1268.5944
BAKON_212	01	1891.8701
BAKON_437	01	1768.3362
BAKON_433	01	1606.5710
BAKON_478	01	1571.1906
BAKON_211	01	1418.3481
BAKON_422	01	1327.6469
BAKON_289	01	1277.2877
BAKON_209	02	1706.2855
BAKON_478	02	1673.3638
BAKON_234	02	1485.9317
BAKON_437	02	1331.5094
BAKON_160	02	1227.1342
BAKON_098	02	1194.3071
BAKON_338	02	1193.4162
BAKON_433	03	2019.6401
BAKON_211	03	1929.0714
BAKON_478	03	1686.2440
BAKON_292	03	1610.6964
BAKON_422	03	1502.3782
BAKON_572	03	1460.9542
BAKON_443	03	1262.7715
BAKON_433	04	1717.5602
BAKON_437	04	1487.2377
BAKON_212	04	1468.5726
BAKON_292	04	1314.9989
BAKON_443	04	1229.3761
BAKON_604	04	1191.1921
BAKON_402	04	1158.3922
BAKON_212	05	1609.6152
BAKON_293	05	1496.4589
BAKON_234	05	1455.6790

Implementation Number 174

Parameters: Top_N = 200

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top 7 Nodes per file (Continuation)

BAKON_344	05	1439.6206
BAKON_422	05	1436.3180
BAKON_437	05	1368.1249
BAKON_075	05	1268.0797
BAKON_211	06	1914.4488
BAKON_338	06	1589.7376
BAKON_301	06	1588.1259
BAKON_096	06	1342.1333
BAKON_353	06	1339.2888
BAKON_433	06	1261.0940
BAKON_337	06	1211.1187
BAKON_211	07	2603.2960
BAKON_361	07	2054.0935
BAKON_239	07	1462.6752
BAKON_572	07	1454.2039
BAKON_433	07	1423.5883
BAKON_098	07	1356.2230
BAKON_437	07	1120.2242
BAKON_212	08	2015.9340
BAKON_211	08	1533.5356
BAKON_402	08	1381.4244
BAKON_111	08	1333.1833
BAKON_604	08	1211.7053
BAKON_096	08	1196.3061
BAKON_443	08	1161.0324
BAKON_212	09	3075.8693
BAKON_301	09	1629.2375
BAKON_433	09	1387.2413
BAKON_478	09	1302.7531
BAKON_437	09	1236.9577
BAKON_422	09	1220.5747
BAKON_075	09	1191.7502

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Implementation Number 174

Parameters: Top_N = 200

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
098.00 %	BAKON_211	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
100.00 %	BAKON_422	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
100.00 %	BAKON_433	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
098.00 %	BAKON_604	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
060.00 %	BAKON_239	00, 01, 02, 03, 04, 06, 07, 10, 14, 16, 18, 20, 21, 23, 24, 27, 28, 31, 32, 36, 39, 40, 41, 42, 43, 44, 45, 46, 48, 49
100.00 %	BAKON_478	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
084.00 %	BAKON_450	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 16, 17, 18, 19, 21, 23, 24, 25, 26, 27, 28, 30, 31, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 49
100.00 %	BAKON_571	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49

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Global node Presence Mean (Weighted): 74.18%

Implementation Number 174

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.5326	0.6950	0.5453	0.3664
ML49.csv	ML01.csv	0.5873	0.7400	0.6284	0.3863
ML49.csv	ML02.csv	0.5686	0.7250	0.3281	0.3429
ML49.csv	ML03.csv	0.5873	0.7400	0.7934	0.3943
ML49.csv	ML04.csv	0.5810	0.7350	0.5453	0.2899
ML49.csv	ML05.csv	0.5686	0.7250	0.0680	0.4394
ML49.csv	ML06.csv	0.6064	0.7550	0.2705	0.5025
ML49.csv	ML07.csv	0.5810	0.7350	0.9647	0.4224
ML49.csv	ML08.csv	0.5444	0.7050	0.2205	0.3936
ML49.csv	ML09.csv	0.6260	0.7700	0.7934	0.4101
ML49.csv	ML10.csv	0.5625	0.7200	0.7126	0.3352
ML49.csv	ML11.csv	0.5748	0.7300	0.6284	0.4139
ML49.csv	ML12.csv	0.5748	0.7300	0.0396	0.3882
ML49.csv	ML13.csv	0.6529	0.7900	0.0680	0.5118
ML49.csv	ML14.csv	0.6129	0.7600	0.2705	0.4418
ML49.csv	ML15.csv	0.6000	0.7500	0.4663	0.3453
ML49.csv	ML16.csv	0.6129	0.7600	0.7934	0.3998
ML49.csv	ML17.csv	0.5873	0.7400	0.0221	0.4305
ML49.csv	ML18.csv	0.5625	0.7200	0.0297	0.3066
ML49.csv	ML19.csv	0.5385	0.7000	0.3935	0.3683
ML49.csv	ML20.csv	0.5936	0.7450	0.7126	0.3792
ML49.csv	ML21.csv	0.5936	0.7450	0.3935	0.4146
ML49.csv	ML22.csv	0.6327	0.7750	0.1123	0.4579
ML49.csv	ML23.csv	0.6667	0.8000	0.2205	0.4246
ML49.csv	ML24.csv	0.5385	0.7000	0.6284	0.4022
ML49.csv	ML25.csv	0.5936	0.7450	0.7934	0.3780
ML49.csv	ML26.csv	0.6000	0.7500	0.3281	0.3960
ML49.csv	ML27.csv	0.6667	0.8000	0.9238	0.4446
ML49.csv	ML28.csv	0.6064	0.7550	0.5453	0.4045
ML49.csv	ML29.csv	0.5748	0.7300	0.6284	0.4591
ML49.csv	ML30.csv	0.6000	0.7500	0.4663	0.3924
ML49.csv	ML31.csv	0.6000	0.7500	0.5453	0.3699
ML49.csv	ML32.csv	0.5625	0.7200	0.1421	0.4749
ML49.csv	ML33.csv	0.5625	0.7200	0.8655	0.4190
ML49.csv	ML34.csv	0.6129	0.7600	0.1123	0.4258

Implementation Number 174

Parameters: Top_N = 200

Number of files = 50

Mode: Machine Learning

Selected metric: Betweenesscentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.5936	0.7450	0.0521	0.4312
ML49.csv	ML36.csv	0.5810	0.7350	0.6284	0.3667
ML49.csv	ML37.csv	0.5564	0.7150	0.7934	0.3484
ML49.csv	ML38.csv	0.6260	0.7700	0.6284	0.4534
ML49.csv	ML39.csv	0.5444	0.7050	0.2205	0.3961
ML49.csv	ML40.csv	0.5625	0.7200	0.0221	0.3141
ML49.csv	ML41.csv	0.6260	0.7700	0.1779	0.4191
ML49.csv	ML42.csv	0.5504	0.7100	0.0118	0.3678
ML49.csv	ML43.csv	0.5810	0.7350	0.6284	0.3504
ML49.csv	ML44.csv	0.5686	0.7250	0.1123	0.3851
ML49.csv	ML45.csv	0.5936	0.7450	0.3935	0.3559
ML49.csv	ML46.csv	0.5564	0.7150	0.1421	0.3380
ML49.csv	ML47.csv	0.5810	0.7350	0.0878	0.3790
ML49.csv	ML48.csv	0.5873	0.7400	0.7934	0.4941
ML00.csv	ML01.csv	0.6064	0.7550	0.1123	0.4338

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Global Metrics:

Mean Jaccard Coefficient (J): 0.5834

Fleiss' Kappa Agreement Index (κ_F): 0.5142

Mean KS Distance Between Pairs (D): 0.0916

Mean p-value for KS Test Pairs: 0.4579

Mean KS Distance for Multiple Samples (D_{mult}): 0.0650

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.4468

Mean Kendall Tau ($\bar{\tau}$): 0.3972

Median Kendall Tau ($\tilde{\tau}$): 0.3976

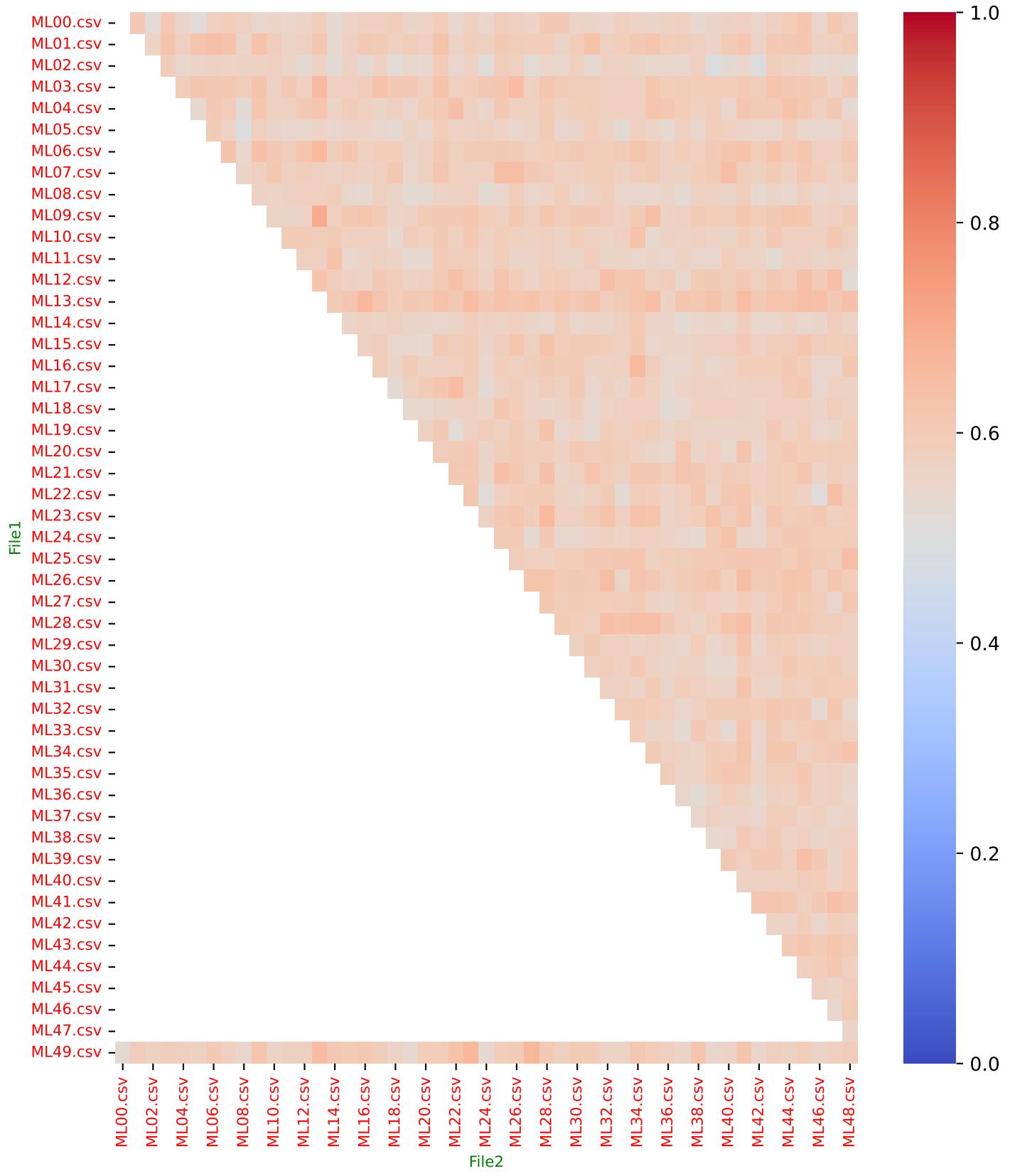
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 174

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Jaccard Coefficient

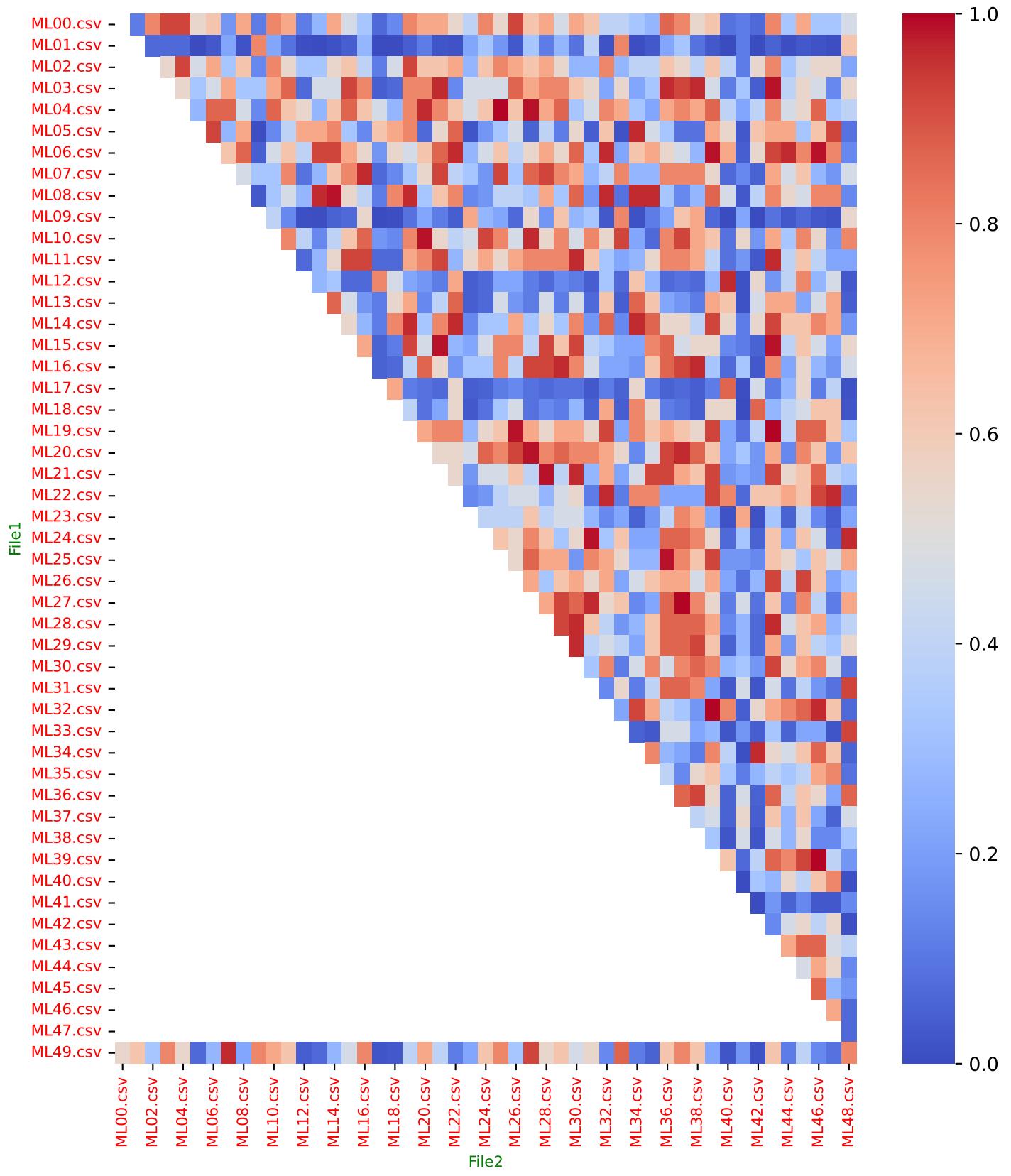


Implementation Number 174

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

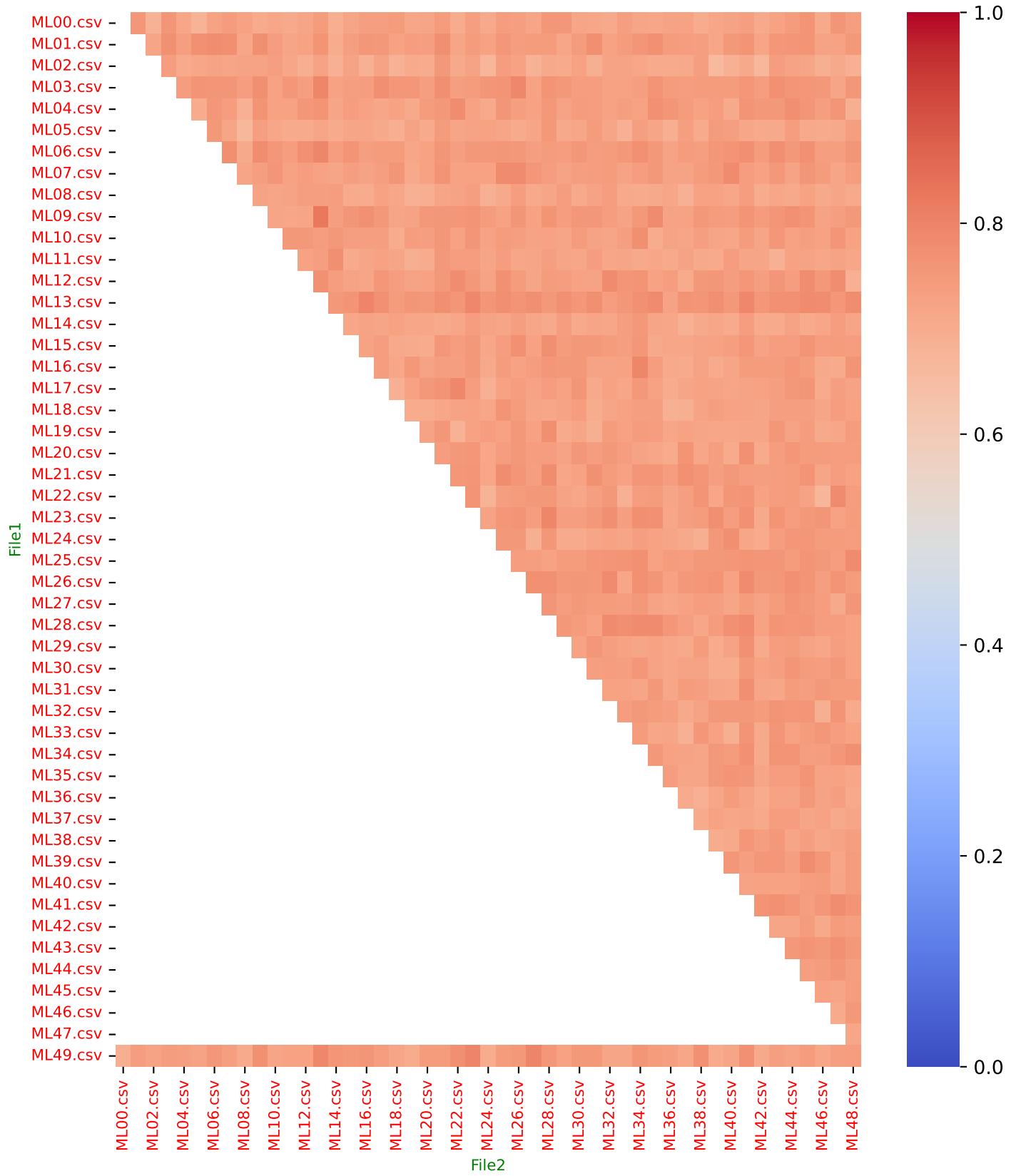


Implementation Number 174

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Overlap Coefficient

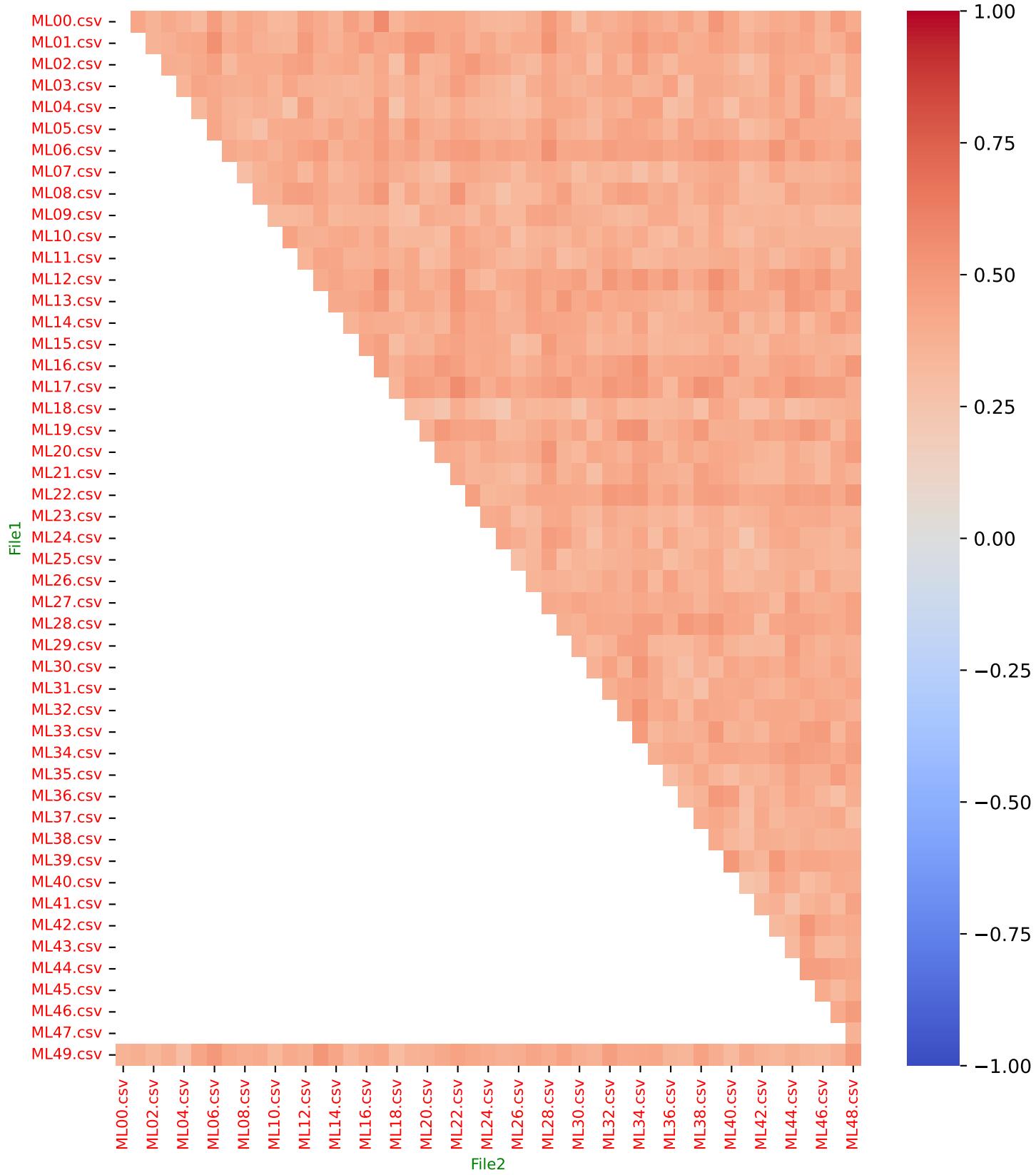


Implementation Number 174

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Betweenesscentrality

Heatmap of Kendall Tau Correlation



Implementation 175

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 10
Number of Files: 50**

Implementation Number 175

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 175

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 175

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
006.00 %	BAKON_615	00, 13, 42
020.00 %	BAKON_406	00, 01, 02, 03, 08, 11, 16, 17, 48, 49
006.00 %	BAKON_236	00, 19, 20
020.00 %	BAKON_509	00, 19, 21, 24, 27, 30, 34, 40, 46, 49
008.00 %	BAKON_124	00, 04, 26, 40
008.00 %	BAKON_259	00, 18, 38, 46
006.00 %	BAKON_595	00, 03, 17
006.00 %	BAKON_440	00, 12, 35
008.00 %	BAKON_180	00, 01, 41, 46
014.00 %	BAKON_186	00, 12, 17, 23, 30, 41, 49
036.00 %	BAKON_366	01, 02, 05, 06, 11, 17, 21, 22, 26, 27, 29, 30, 31, 34, 35, 36, 39, 40
006.00 %	BAKON_093	01, 19, 25
008.00 %	BAKON_149	01, 14, 17, 45
054.00 %	BAKON_363	01, 02, 03, 04, 05, 06, 08, 10, 11, 12, 15, 20, 21, 23, 24, 25, 26, 28, 29, 31, 34, 36, 37, 38, 45, 46, 49
008.00 %	BAKON_219	01, 07, 43, 44
010.00 %	BAKON_477	01, 11, 13, 35, 41
010.00 %	BAKON_555	01, 09, 14, 19, 40
012.00 %	BAKON_164	01, 02, 06, 09, 11, 42
018.00 %	BAKON_262	02, 15, 20, 22, 25, 31, 37, 40, 48
016.00 %	BAKON_006	02, 06, 10, 15, 36, 42, 48, 49
006.00 %	BAKON_286	02, 15, 32
008.00 %	BAKON_148	02, 05, 18, 27

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Global node Presence Mean (Weighted): 13.36%

Implementation Number 175

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.1111	0.2000	0.0524	1.0000
ML49.csv	ML01.csv	0.0526	0.1000	0.0524	nan
ML49.csv	ML02.csv	0.1111	0.2000	0.0021	-1.0000
ML49.csv	ML03.csv	0.0526	0.1000	0.1678	nan
ML49.csv	ML04.csv	0.0000	0.0000	0.1678	nan
ML49.csv	ML05.csv	0.0000	0.0000	0.1678	nan
ML49.csv	ML06.csv	0.0000	0.0000	0.0524	nan
ML49.csv	ML07.csv	0.0526	0.1000	0.7869	nan
ML49.csv	ML08.csv	0.0000	0.0000	0.0123	nan
ML49.csv	ML09.csv	0.0000	0.0000	0.9945	nan
ML49.csv	ML10.csv	0.0526	0.1000	0.7869	nan
ML49.csv	ML11.csv	0.1111	0.2000	0.7869	-1.0000
ML49.csv	ML12.csv	0.0526	0.1000	0.0123	nan
ML49.csv	ML13.csv	0.0000	0.0000	0.0000	nan
ML49.csv	ML14.csv	0.0000	0.0000	0.9945	nan
ML49.csv	ML15.csv	0.0526	0.1000	0.0524	nan
ML49.csv	ML16.csv	0.1765	0.3000	1.0000	-0.3333
ML49.csv	ML17.csv	0.0526	0.1000	0.0021	nan
ML49.csv	ML18.csv	0.1111	0.2000	0.0123	1.0000
ML49.csv	ML19.csv	0.0526	0.1000	0.1678	nan
ML49.csv	ML20.csv	0.0526	0.1000	0.0123	nan
ML49.csv	ML21.csv	0.0000	0.0000	0.4175	nan
ML49.csv	ML22.csv	0.0526	0.1000	0.0000	nan
ML49.csv	ML23.csv	0.0526	0.1000	0.1678	nan
ML49.csv	ML24.csv	0.0000	0.0000	0.0002	nan
ML49.csv	ML25.csv	0.0526	0.1000	0.7869	nan
ML49.csv	ML26.csv	0.0526	0.1000	0.9945	nan
ML49.csv	ML27.csv	0.0000	0.0000	0.0524	nan
ML49.csv	ML28.csv	0.0000	0.0000	0.0021	nan
ML49.csv	ML29.csv	0.1111	0.2000	0.0123	1.0000
ML49.csv	ML30.csv	0.0000	0.0000	0.9945	nan
ML49.csv	ML31.csv	0.0000	0.0000	0.0123	nan
ML49.csv	ML32.csv	0.0000	0.0000	0.7869	nan
ML49.csv	ML33.csv	0.0526	0.1000	0.7869	nan
ML49.csv	ML34.csv	0.0526	0.1000	0.0021	nan

Implementation Number 175

Parameters: Top_N = 10

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.0000	0.0000	0.0123	nan
ML49.csv	ML36.csv	0.0000	0.0000	0.9945	nan
ML49.csv	ML37.csv	0.0526	0.1000	0.0002	nan
ML49.csv	ML38.csv	0.0000	0.0000	0.9945	nan
ML49.csv	ML39.csv	0.1111	0.2000	0.4175	1.0000
ML49.csv	ML40.csv	0.1111	0.2000	0.0524	-1.0000
ML49.csv	ML41.csv	0.0526	0.1000	0.9945	nan
ML49.csv	ML42.csv	0.0000	0.0000	0.9945	nan
ML49.csv	ML43.csv	0.0000	0.0000	0.7869	nan
ML49.csv	ML44.csv	0.0000	0.0000	0.1678	nan
ML49.csv	ML45.csv	0.1765	0.3000	0.0524	-1.0000
ML49.csv	ML46.csv	0.0000	0.0000	0.1678	nan
ML49.csv	ML47.csv	0.0526	0.1000	0.9945	nan
ML49.csv	ML48.csv	0.1765	0.3000	0.9945	-0.3333
ML00.csv	ML01.csv	0.2500	0.4000	0.0021	0.6667

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Global Metrics:

Mean Jaccard Coefficient (J): 0.0645

Fleiss' Kappa Agreement Index (κF): 0.0558

Mean KS Distance Between Pairs (D): 0.5762

Mean p-value for KS Test Pairs: 0.2552

Mean KS Distance for Multiple Samples (D_{mult}): 0.4219

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1813

Mean Kendall Tau ($\bar{\tau}$): 0.2642

Median Kendall Tau ($\tilde{\tau}$): 1.0000

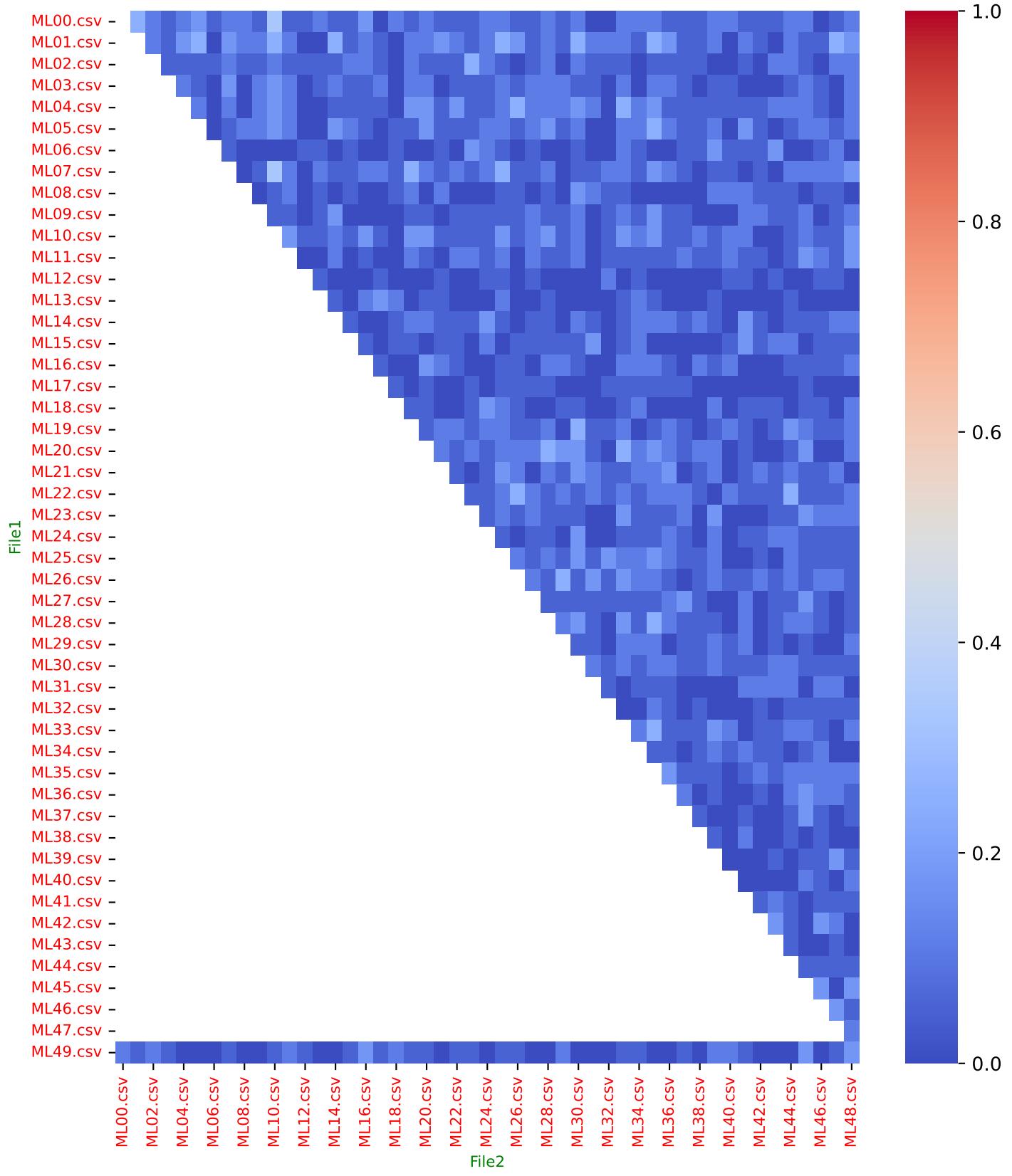
Percentage of Pairs with $\tau > 0$: 21.06%

Implementation Number 175

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

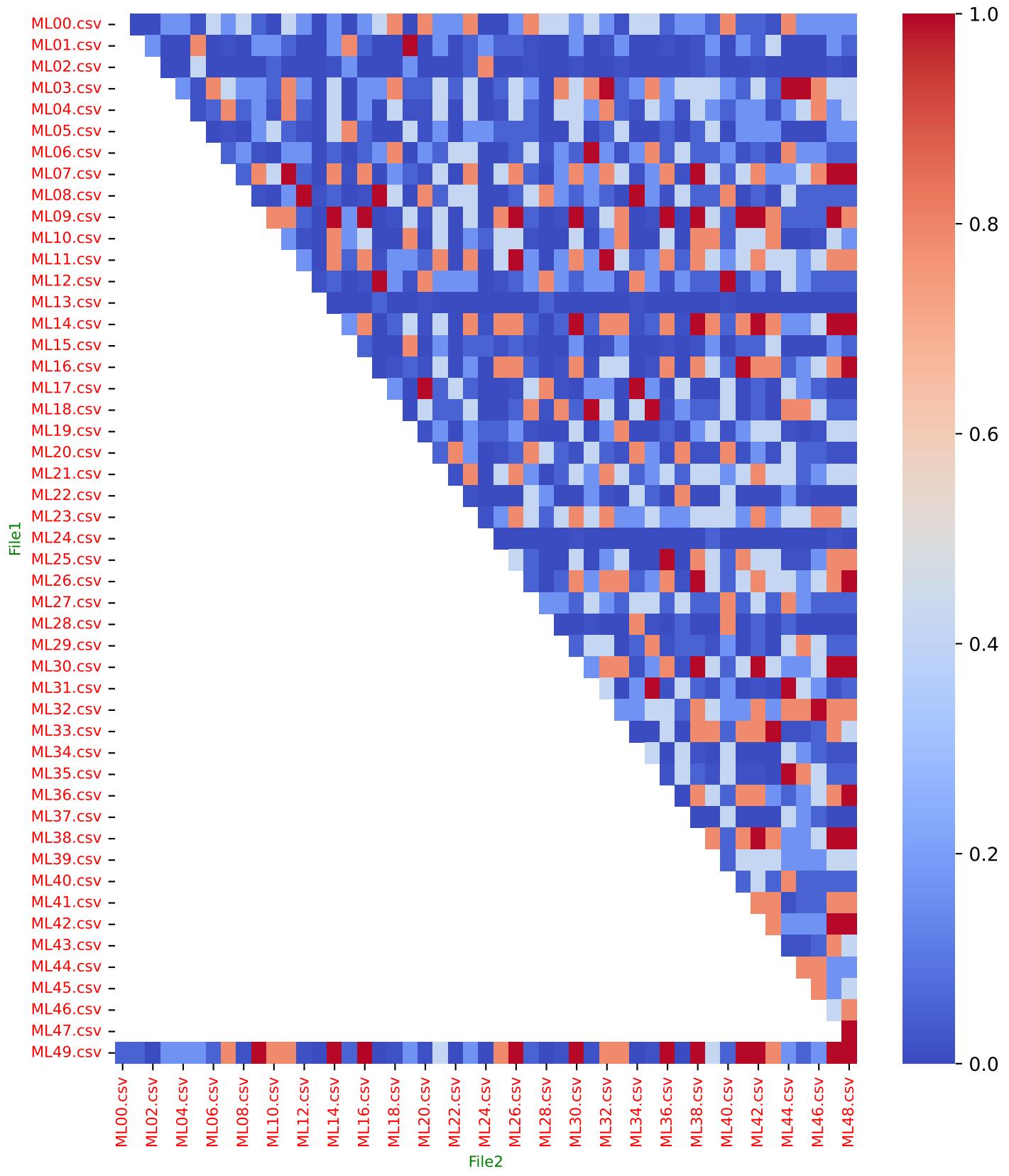


Implementation Number 175

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

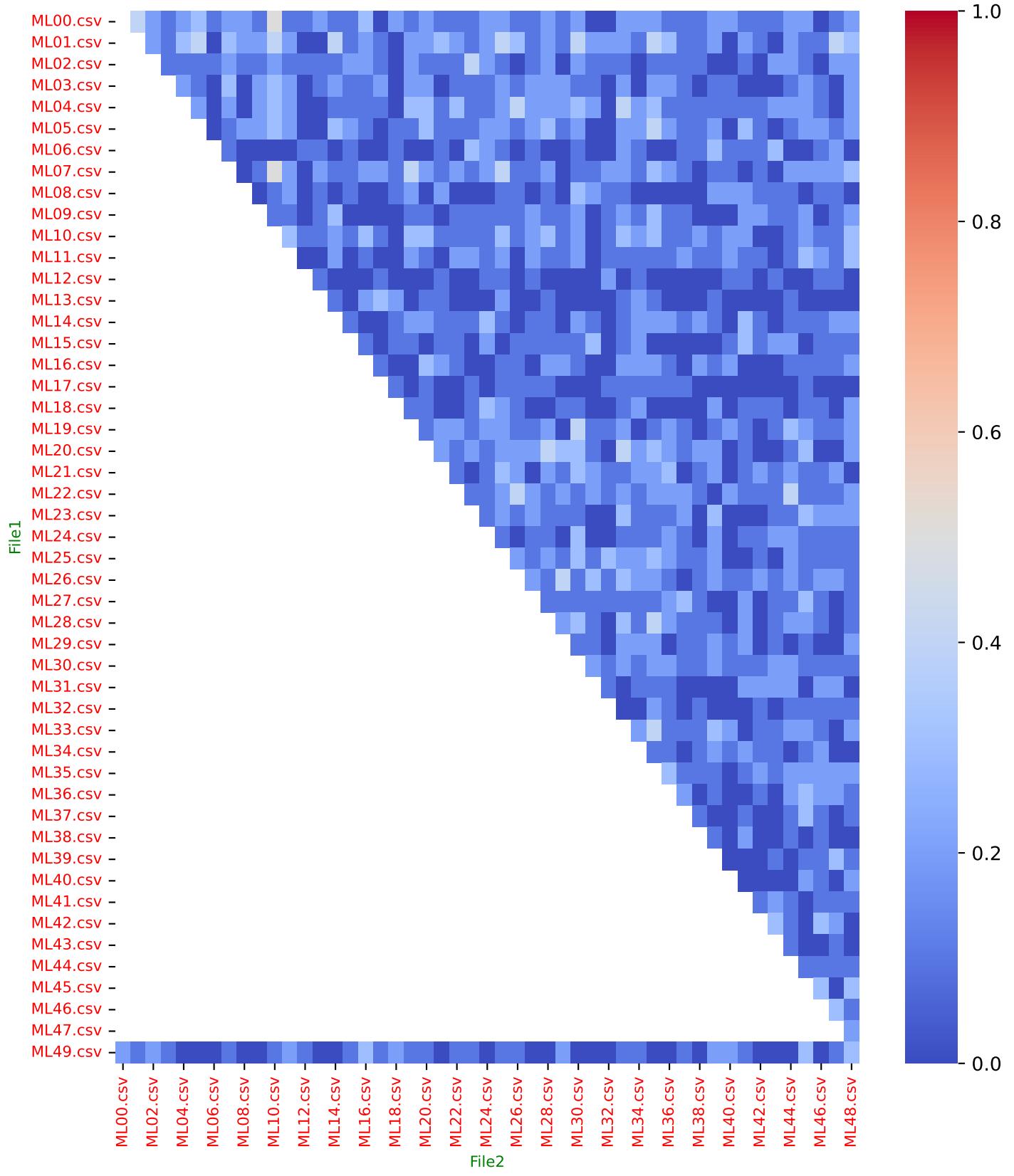


Implementation Number 175

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

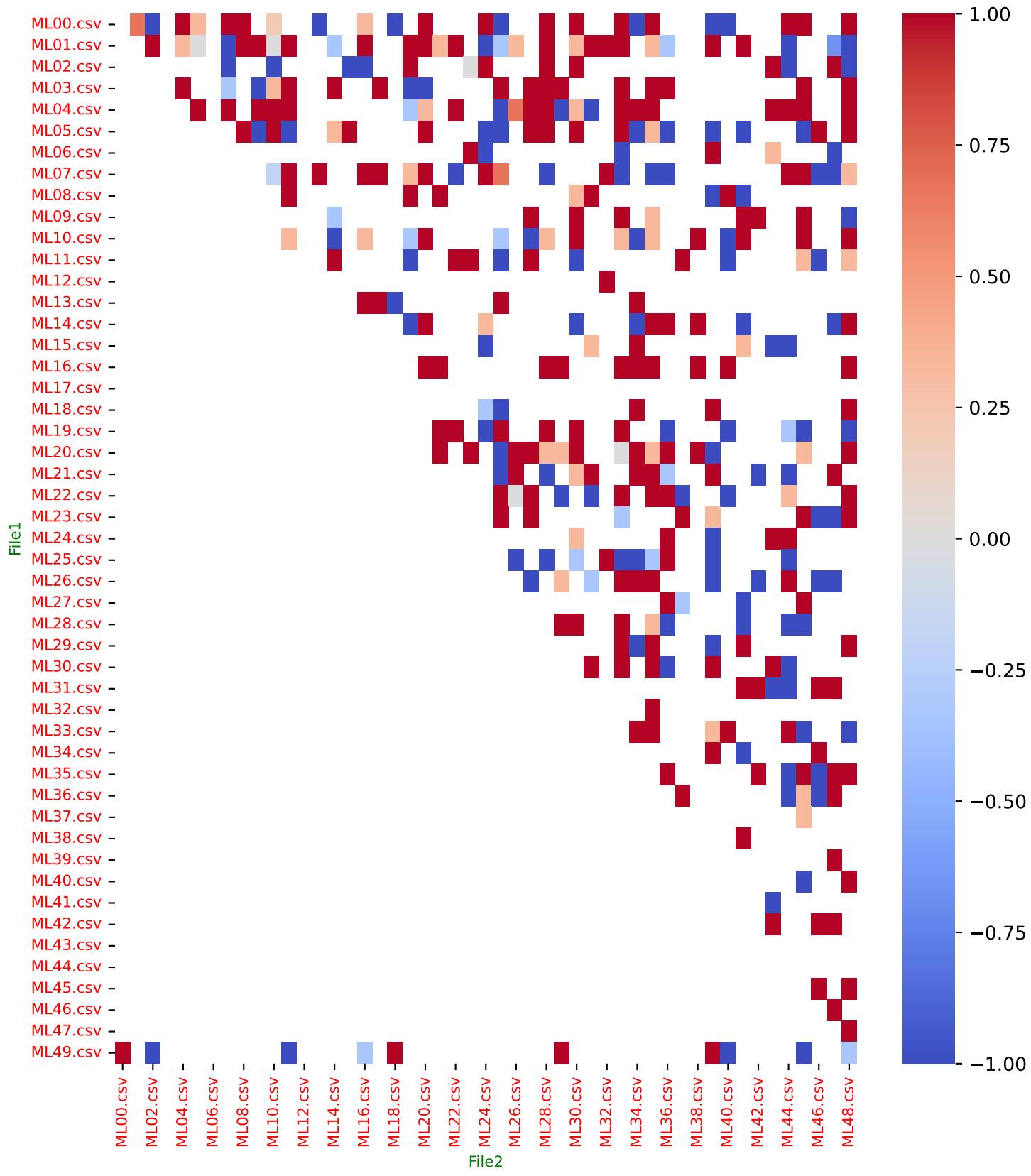


Implementation Number 175

Parameters: Top_N = 10
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 176

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 20
Number of Files: 50**

Implementation Number 176

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 176

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 176

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
010.00 %	BAKON_615	00, 13, 22, 42, 48
032.00 %	BAKON_406	00, 01, 02, 03, 06, 07, 08, 10, 11, 12, 16, 17, 18, 27, 48, 49
010.00 %	BAKON_236	00, 08, 19, 20, 42
032.00 %	BAKON_509	00, 07, 08, 13, 18, 19, 21, 24, 27, 30, 32, 34, 40, 46, 47, 49
024.00 %	BAKON_124	00, 02, 04, 08, 16, 17, 22, 26, 27, 29, 40, 46
020.00 %	BAKON_259	00, 07, 09, 18, 23, 24, 26, 27, 38, 46
008.00 %	BAKON_595	00, 03, 06, 17
022.00 %	BAKON_440	00, 03, 12, 15, 20, 28, 35, 38, 39, 42, 48
026.00 %	BAKON_180	00, 01, 03, 04, 05, 17, 23, 26, 28, 37, 41, 46, 49
020.00 %	BAKON_186	00, 06, 12, 17, 23, 25, 26, 30, 41, 49
058.00 %	BAKON_366	00, 01, 02, 05, 06, 10, 11, 15, 17, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 38, 39, 40, 41
030.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 10, 15, 19, 20, 36, 39, 42, 48, 49
018.00 %	BAKON_137	00, 04, 07, 13, 28, 33, 39, 47, 48
012.00 %	BAKON_606	00, 09, 11, 18, 24, 32
030.00 %	BAKON_396	00, 04, 08, 11, 14, 16, 17, 18, 21, 24, 25, 29, 30, 34, 36
042.00 %	BAKON_376	00, 02, 05, 07, 11, 16, 17, 21, 23, 26, 27, 28, 30, 32, 34, 35, 37, 38, 40, 42, 44
010.00 %	BAKON_143	00, 17, 18, 33, 41
022.00 %	BAKON_210	00, 07, 14, 21, 25, 29, 30, 31, 42, 46, 47
030.00 %	BAKON_026	00, 02, 06, 07, 10, 14, 24, 32, 34, 35, 40, 44, 45, 47, 49
012.00 %	BAKON_100	00, 16, 24, 33, 36, 49

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Global node Presence Mean (Weighted): 20.47%

Implementation Number 176

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.0811	0.1500	0.0335	-0.3333
ML49.csv	ML01.csv	0.1765	0.3000	0.3356	0.2000
ML49.csv	ML02.csv	0.1429	0.2500	0.0335	0.2000
ML49.csv	ML03.csv	0.1111	0.2000	0.3356	-0.3333
ML49.csv	ML04.csv	0.1111	0.2000	0.5713	0.0000
ML49.csv	ML05.csv	0.1765	0.3000	0.5713	-0.3333
ML49.csv	ML06.csv	0.2121	0.3500	0.0811	-0.4286
ML49.csv	ML07.csv	0.1765	0.3000	0.8320	-0.0667
ML49.csv	ML08.csv	0.0526	0.1000	0.0123	1.0000
ML49.csv	ML09.csv	0.1111	0.2000	0.9831	0.0000
ML49.csv	ML10.csv	0.1429	0.2500	0.1745	0.6000
ML49.csv	ML11.csv	0.0811	0.1500	0.5713	-1.0000
ML49.csv	ML12.csv	0.0811	0.1500	0.0040	0.3333
ML49.csv	ML13.csv	0.0811	0.1500	0.0000	0.3333
ML49.csv	ML14.csv	0.0811	0.1500	0.8320	-0.3333
ML49.csv	ML15.csv	0.1429	0.2500	0.1745	-0.2000
ML49.csv	ML16.csv	0.2903	0.4500	0.5713	-0.0556
ML49.csv	ML17.csv	0.1765	0.3000	0.0123	-0.4667
ML49.csv	ML18.csv	0.0811	0.1500	0.1745	1.0000
ML49.csv	ML19.csv	0.1111	0.2000	0.3356	0.6667
ML49.csv	ML20.csv	0.1429	0.2500	0.0040	0.0000
ML49.csv	ML21.csv	0.0811	0.1500	0.5713	-0.3333
ML49.csv	ML22.csv	0.1429	0.2500	0.0040	-0.2000
ML49.csv	ML23.csv	0.2121	0.3500	0.1745	-0.0476
ML49.csv	ML24.csv	0.1111	0.2000	0.0003	-0.3333
ML49.csv	ML25.csv	0.1765	0.3000	0.8320	0.2000
ML49.csv	ML26.csv	0.1765	0.3000	0.8320	-0.3333
ML49.csv	ML27.csv	0.1111	0.2000	0.0335	-0.6667
ML49.csv	ML28.csv	0.1111	0.2000	0.0011	0.0000
ML49.csv	ML29.csv	0.1765	0.3000	0.1745	0.0667
ML49.csv	ML30.csv	0.0526	0.1000	0.5713	1.0000
ML49.csv	ML31.csv	0.1429	0.2500	0.1745	0.2000
ML49.csv	ML32.csv	0.1111	0.2000	0.5713	-0.3333
ML49.csv	ML33.csv	0.1429	0.2500	0.8320	0.6000
ML49.csv	ML34.csv	0.1111	0.2000	0.0011	0.6667

Implementation Number 176

Parameters: Top_N = 20

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.1111	0.2000	0.1745	0.3333
ML49.csv	ML36.csv	0.0526	0.1000	1.0000	1.0000
ML49.csv	ML37.csv	0.1111	0.2000	0.0335	0.3333
ML49.csv	ML38.csv	0.1111	0.2000	0.9831	-0.3333
ML49.csv	ML39.csv	0.1429	0.2500	0.5713	0.4000
ML49.csv	ML40.csv	0.1111	0.2000	0.0123	0.3333
ML49.csv	ML41.csv	0.1765	0.3000	0.5713	-0.2000
ML49.csv	ML42.csv	0.0000	0.0000	0.0811	nan
ML49.csv	ML43.csv	0.0526	0.1000	0.9831	1.0000
ML49.csv	ML44.csv	0.0256	0.0500	0.1745	nan
ML49.csv	ML45.csv	0.1429	0.2500	0.3356	0.0000
ML49.csv	ML46.csv	0.1111	0.2000	0.5713	0.0000
ML49.csv	ML47.csv	0.1429	0.2500	0.8320	-0.4000
ML49.csv	ML48.csv	0.2121	0.3500	0.5713	0.5238
ML00.csv	ML01.csv	0.1111	0.2000	0.0003	0.6667

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1061

Fleiss' Kappa Agreement Index (κ_F): 0.1039

Mean KS Distance Between Pairs (D): 0.4498

Mean p-value for KS Test Pairs: 0.2057

Mean KS Distance for Multiple Samples (D_{mult}): 0.3208

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1625

Mean Kendall Tau ($\bar{\tau}$): 0.1082

Median Kendall Tau ($\tilde{\tau}$): 0.2000

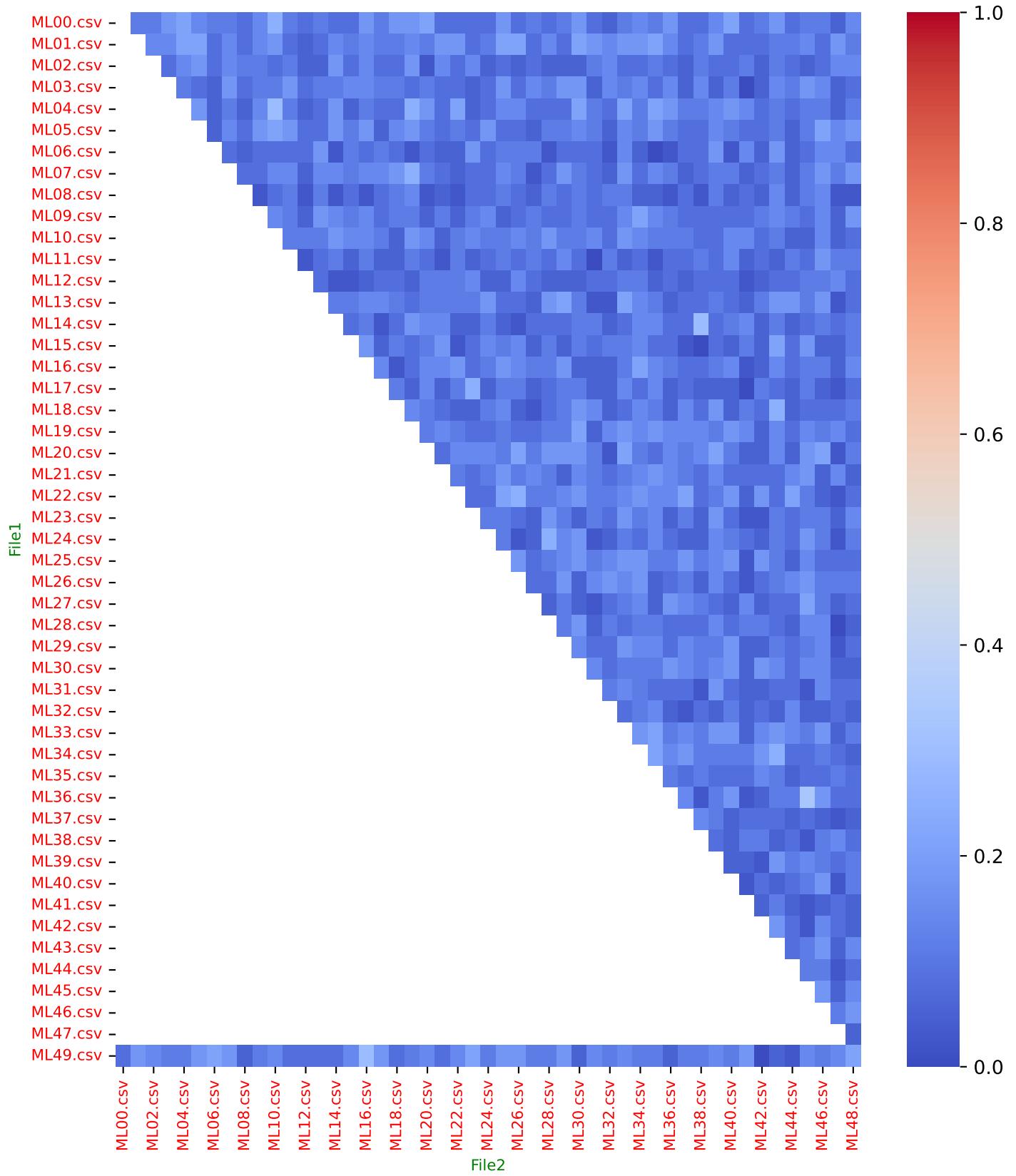
Percentage of Pairs with $\tau > 0$: 49.80%

Implementation Number 176

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

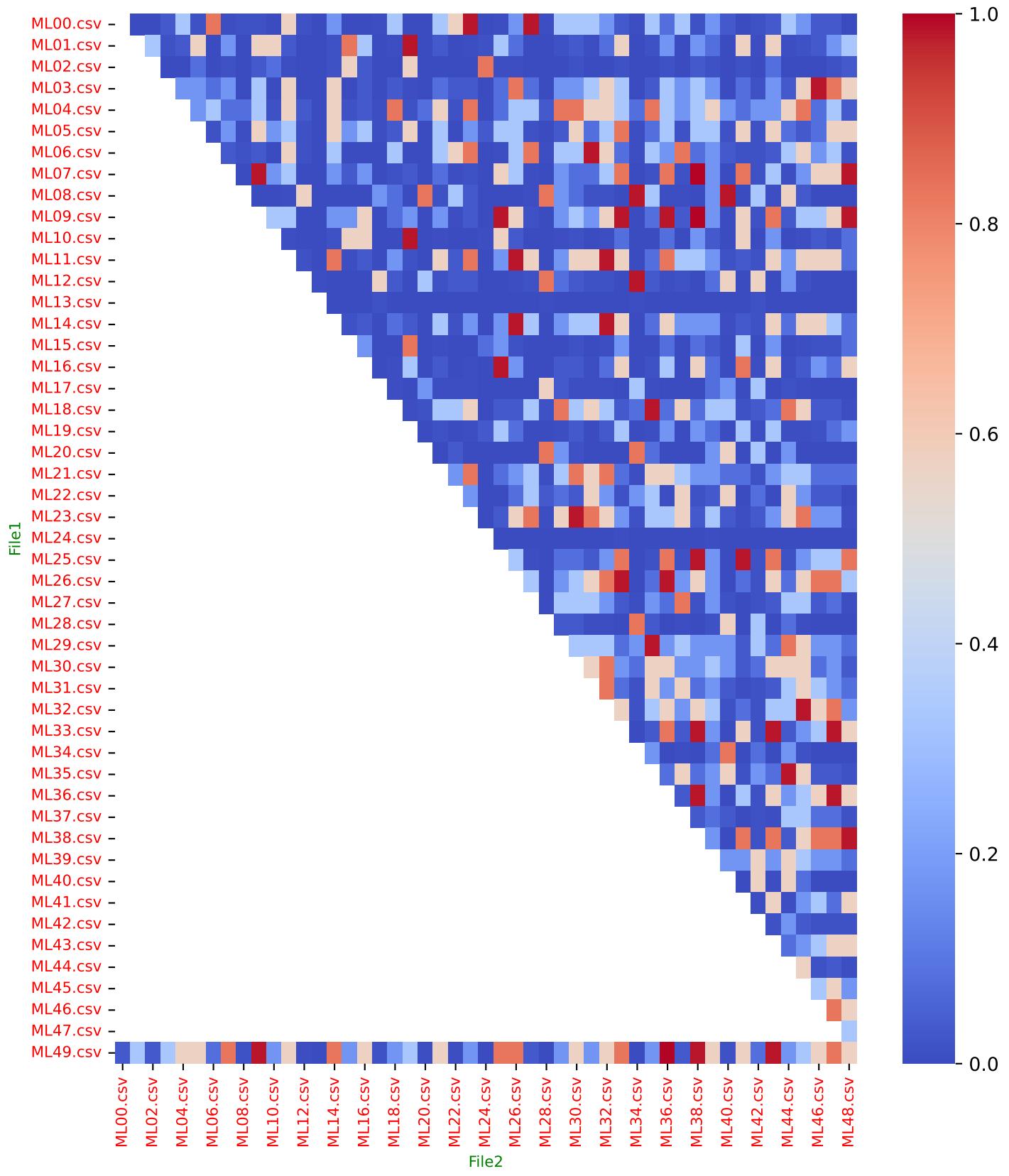


Implementation Number 176

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

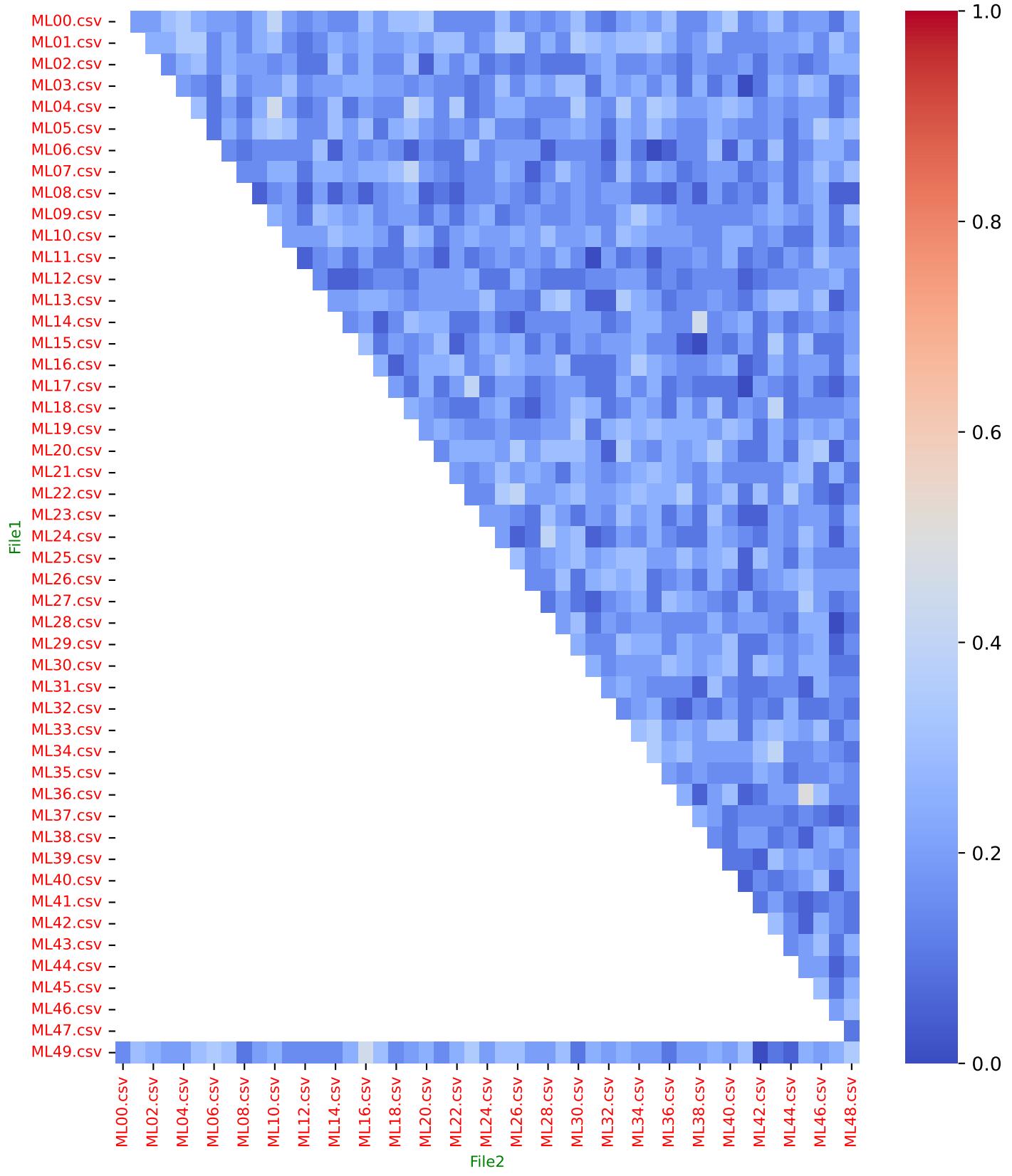


Implementation Number 176

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

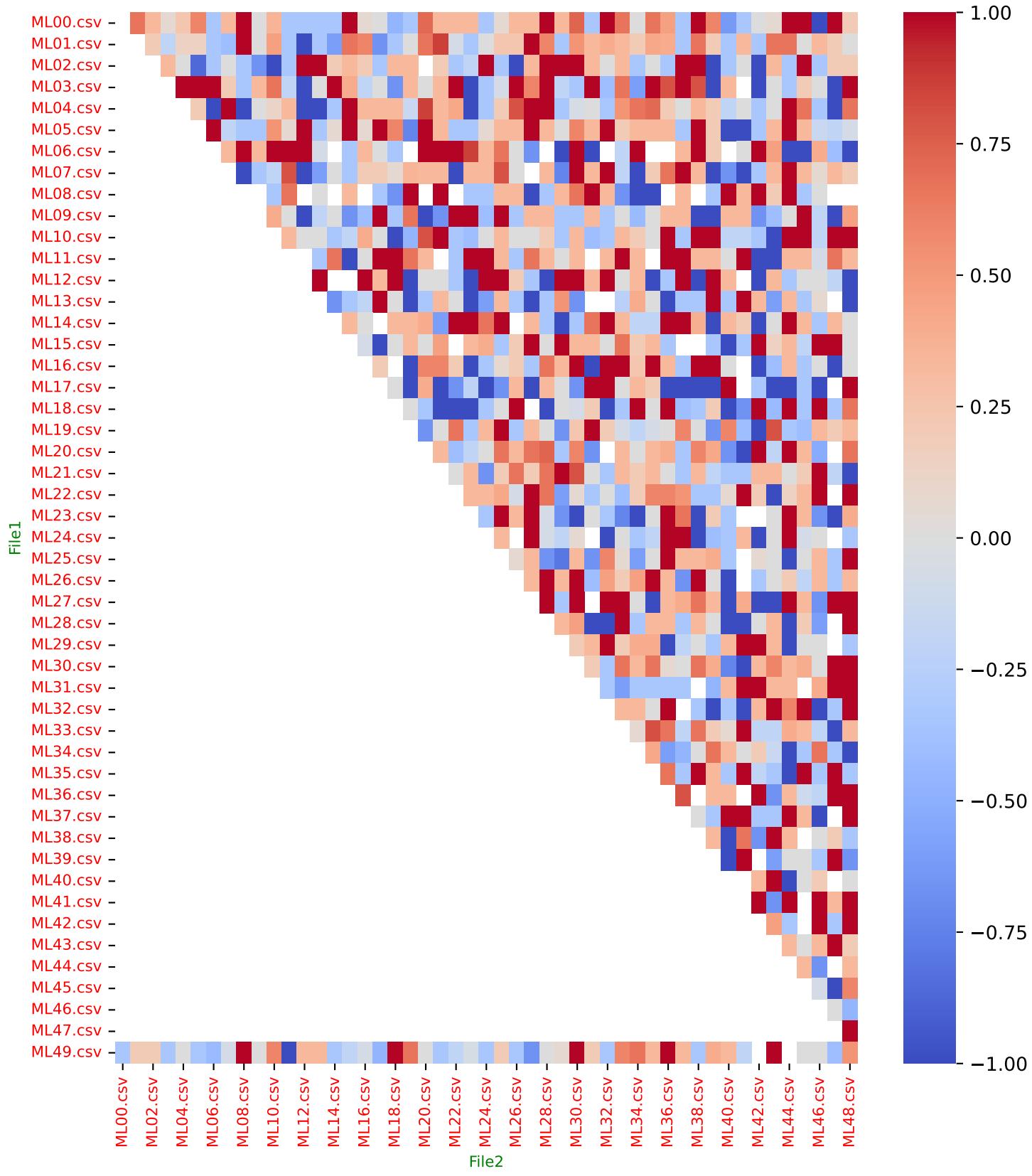


Implementation Number 176

Parameters: Top_N = 20
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 177

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 30
Number of Files: 50**

Implementation Number 177

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 177

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 177

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
016.00 %	BAKON_615	00, 01, 13, 22, 30, 32, 42, 48
044.00 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 10, 11, 12, 15, 16, 17, 18, 27, 35, 38, 43, 46, 48, 49
014.00 %	BAKON_236	00, 08, 19, 20, 42, 44, 45
042.00 %	BAKON_509	00, 01, 07, 08, 13, 18, 19, 21, 23, 24, 27, 29, 30, 31, 32, 34, 40, 41, 46, 47, 49
034.00 %	BAKON_124	00, 02, 04, 08, 16, 17, 22, 24, 25, 26, 27, 29, 32, 40, 43, 46, 48
020.00 %	BAKON_259	00, 07, 09, 18, 23, 24, 26, 27, 38, 46
010.00 %	BAKON_595	00, 03, 06, 17, 48
032.00 %	BAKON_440	00, 01, 03, 04, 10, 11, 12, 15, 20, 28, 35, 38, 39, 42, 48, 49
026.00 %	BAKON_180	00, 01, 03, 04, 05, 17, 23, 26, 28, 37, 41, 46, 49
028.00 %	BAKON_186	00, 06, 12, 14, 17, 19, 23, 25, 26, 27, 30, 41, 42, 49
062.00 %	BAKON_366	00, 01, 02, 05, 06, 10, 11, 15, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 38, 39, 40, 41, 47
034.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 09, 10, 15, 19, 20, 35, 36, 39, 42, 48, 49
022.00 %	BAKON_137	00, 04, 07, 13, 18, 20, 28, 33, 39, 47, 48
022.00 %	BAKON_606	00, 09, 11, 18, 19, 21, 24, 29, 31, 32, 34
042.00 %	BAKON_396	00, 02, 04, 08, 10, 11, 14, 16, 17, 18, 21, 24, 25, 28, 29, 30, 34, 36, 40, 42, 43
056.00 %	BAKON_376	00, 01, 02, 05, 07, 11, 15, 16, 17, 21, 23, 26, 27, 28, 30, 32, 33, 34, 35, 36, 37, 38, 40, 42, 44, 45, 48, 49
014.00 %	BAKON_143	00, 14, 17, 18, 30, 33, 41
044.00 %	BAKON_210	00, 05, 07, 08, 09, 14, 16, 21, 24, 25, 29, 30, 31, 34, 35, 37, 38, 41, 42, 44, 46, 47
042.00 %	BAKON_026	00, 02, 06, 07, 08, 10, 14, 15, 16, 22, 24, 32, 34, 35, 38, 40, 42, 44, 45, 47, 49

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Global node Presence Mean (Weighted): 25.61%

Implementation Number 177

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.1538	0.2667	0.1350	-0.2857
ML49.csv	ML01.csv	0.2000	0.3333	0.0156	0.2000
ML49.csv	ML02.csv	0.1321	0.2333	0.0025	0.3333
ML49.csv	ML03.csv	0.1321	0.2333	0.1350	-0.5238
ML49.csv	ML04.csv	0.1111	0.2000	0.8080	0.0667
ML49.csv	ML05.csv	0.1321	0.2333	0.8080	-0.4286
ML49.csv	ML06.csv	0.1538	0.2667	0.2391	-0.0714
ML49.csv	ML07.csv	0.2245	0.3667	0.0156	0.0545
ML49.csv	ML08.csv	0.1321	0.2333	0.0709	0.3333
ML49.csv	ML09.csv	0.1538	0.2667	0.2391	-0.1429
ML49.csv	ML10.csv	0.1321	0.2333	0.0025	-0.0476
ML49.csv	ML11.csv	0.0909	0.1667	0.0709	-0.8000
ML49.csv	ML12.csv	0.0714	0.1333	0.0346	0.6667
ML49.csv	ML13.csv	0.1321	0.2333	0.0000	0.0476
ML49.csv	ML14.csv	0.1538	0.2667	0.0156	-0.0714
ML49.csv	ML15.csv	0.1765	0.3000	0.0009	0.0000
ML49.csv	ML16.csv	0.2000	0.3333	0.1350	0.1111
ML49.csv	ML17.csv	0.1765	0.3000	0.0156	-0.0556
ML49.csv	ML18.csv	0.1111	0.2000	0.3929	0.4667
ML49.csv	ML19.csv	0.1111	0.2000	0.0156	0.3333
ML49.csv	ML20.csv	0.1538	0.2667	0.0346	0.0000
ML49.csv	ML21.csv	0.1538	0.2667	0.8080	0.0000
ML49.csv	ML22.csv	0.1765	0.3000	0.0346	-0.6111
ML49.csv	ML23.csv	0.2500	0.4000	0.3929	0.0303
ML49.csv	ML24.csv	0.1538	0.2667	0.0065	-0.6429
ML49.csv	ML25.csv	0.2000	0.3333	0.0156	0.0222
ML49.csv	ML26.csv	0.1765	0.3000	0.2391	-0.1111
ML49.csv	ML27.csv	0.1538	0.2667	0.0346	-0.2857
ML49.csv	ML28.csv	0.1538	0.2667	0.0156	-0.1429
ML49.csv	ML29.csv	0.1765	0.3000	0.3929	0.0556
ML49.csv	ML30.csv	0.1321	0.2333	0.8080	-0.0476
ML49.csv	ML31.csv	0.2245	0.3667	0.3929	0.1273
ML49.csv	ML32.csv	0.1538	0.2667	0.1350	-0.5000
ML49.csv	ML33.csv	0.2000	0.3333	0.0156	0.2000
ML49.csv	ML34.csv	0.2000	0.3333	0.0156	0.2444

Implementation Number 177

Parameters: Top_N = 30

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.1538	0.2667	0.3929	0.2857
ML49.csv	ML36.csv	0.0909	0.1667	0.3929	-0.4000
ML49.csv	ML37.csv	0.1765	0.3000	0.1350	0.0556
ML49.csv	ML38.csv	0.0909	0.1667	0.1350	-0.4000
ML49.csv	ML39.csv	0.1321	0.2333	0.5941	0.3333
ML49.csv	ML40.csv	0.1765	0.3000	0.0709	0.2222
ML49.csv	ML41.csv	0.2500	0.4000	0.0346	0.1818
ML49.csv	ML42.csv	0.1538	0.2667	0.0346	-0.5714
ML49.csv	ML43.csv	0.1111	0.2000	0.3929	0.0667
ML49.csv	ML44.csv	0.1538	0.2667	0.3929	-0.5714
ML49.csv	ML45.csv	0.1538	0.2667	0.5941	-0.2857
ML49.csv	ML46.csv	0.1538	0.2667	0.0156	0.0000
ML49.csv	ML47.csv	0.2245	0.3667	0.3929	-0.0909
ML49.csv	ML48.csv	0.3043	0.4667	0.0156	0.1209
ML00.csv	ML01.csv	0.1321	0.2333	0.0025	0.4286

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Global Metrics:

Mean Jaccard Coefficient (\bar{J}): 0.1388

Fleiss' Kappa Agreement Index (κ_F): 0.1309

Mean KS Distance Between Pairs (D): 0.3883

Mean p-value for KS Test Pairs: 0.1878

Mean KS Distance for Multiple Samples (D_{mult}): 0.2743

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1566

Mean Kendall Tau ($\bar{\tau}$): 0.1085

Median Kendall Tau ($\tilde{\tau}$): 0.1111

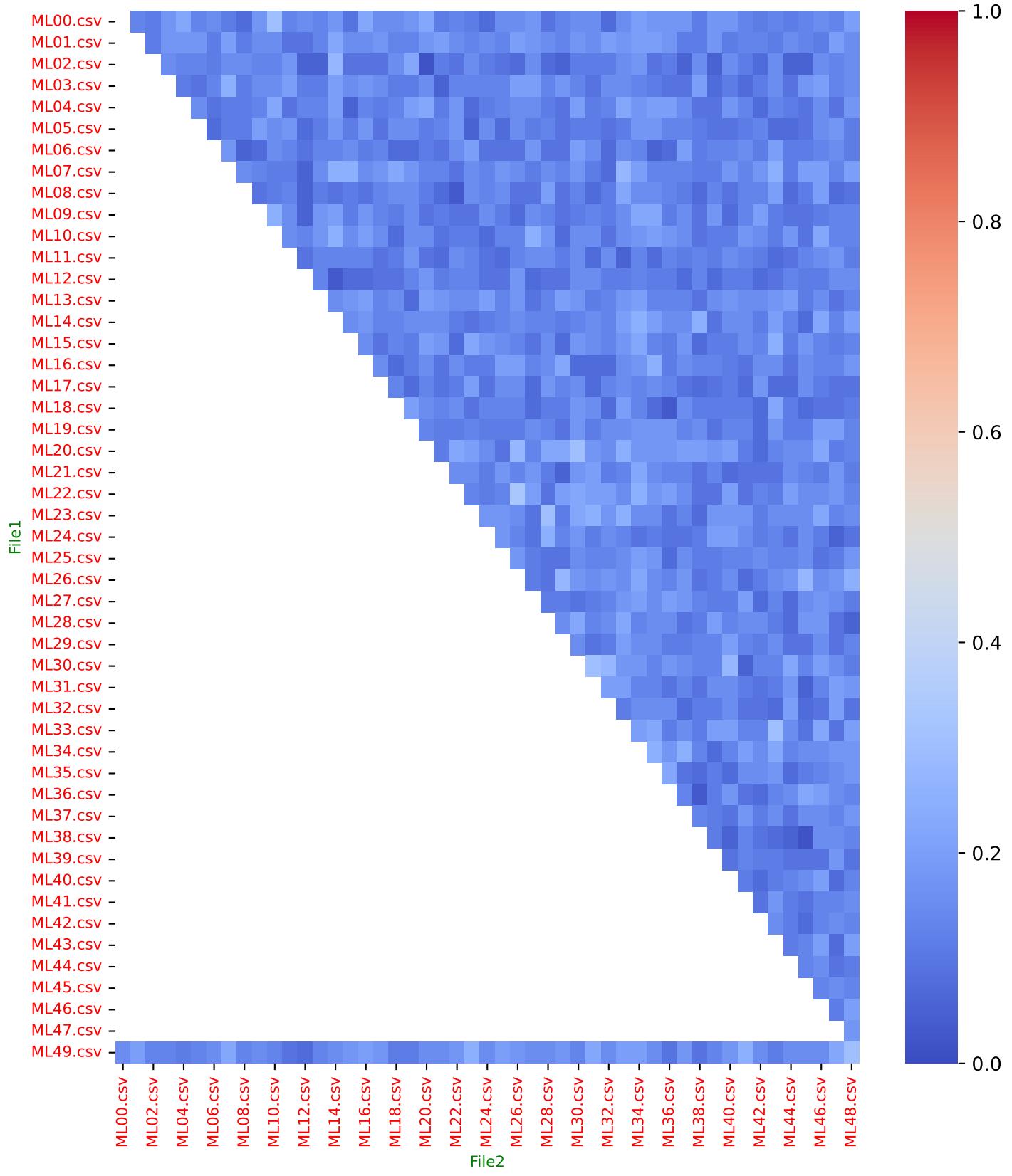
Percentage of Pairs with $\tau > 0$: 59.84%

Implementation Number 177

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

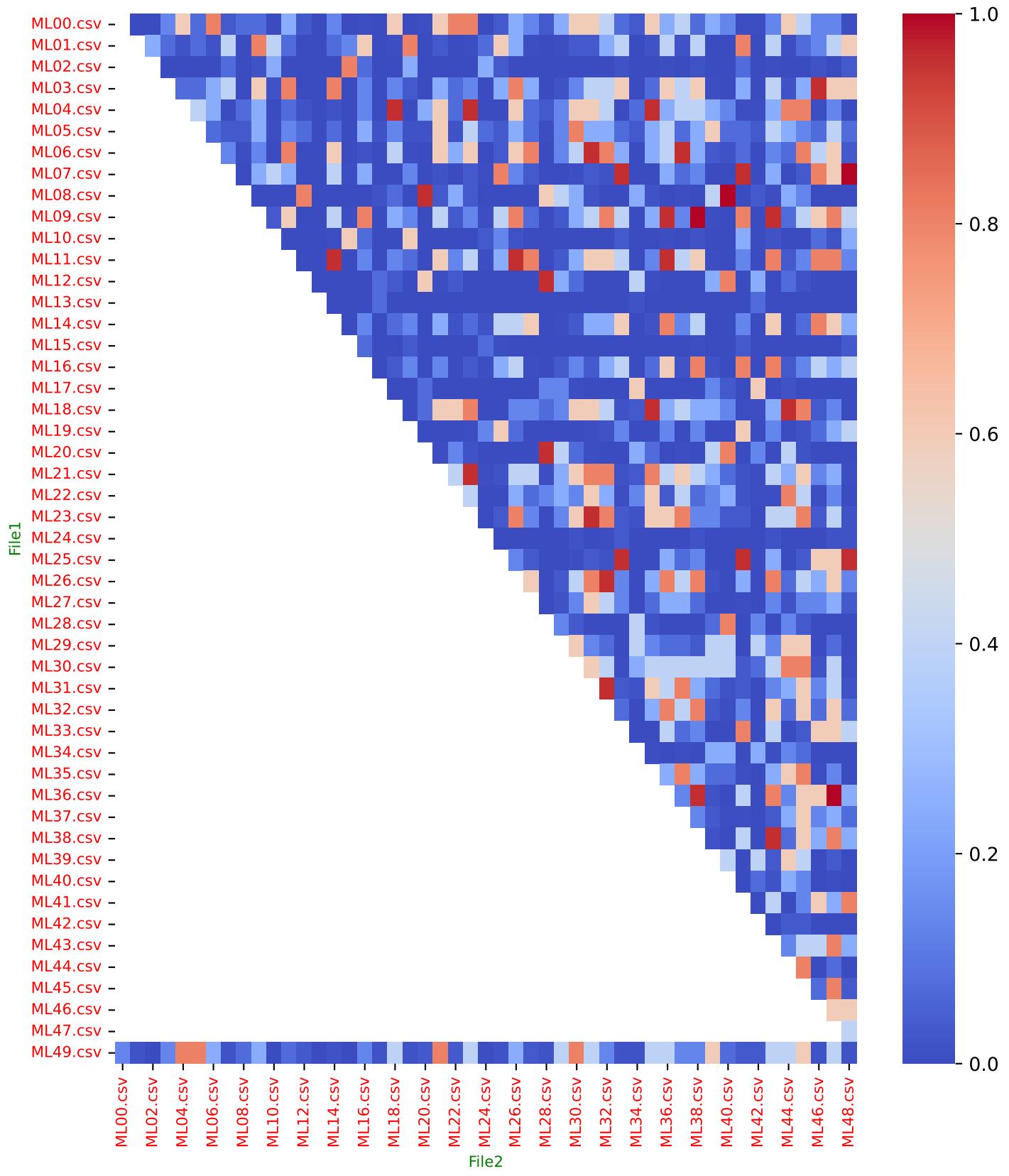


Implementation Number 177

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

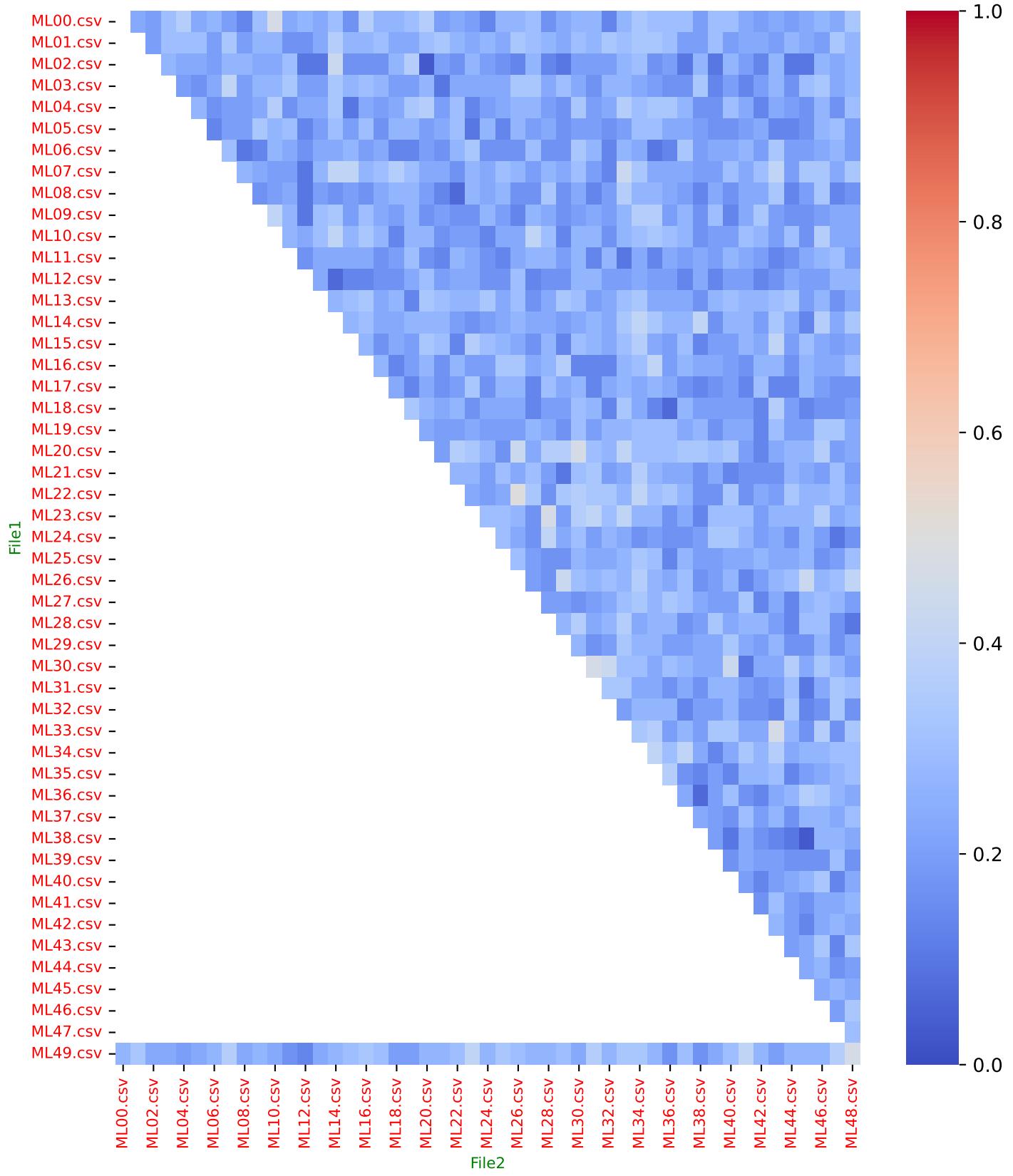


Implementation Number 177

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

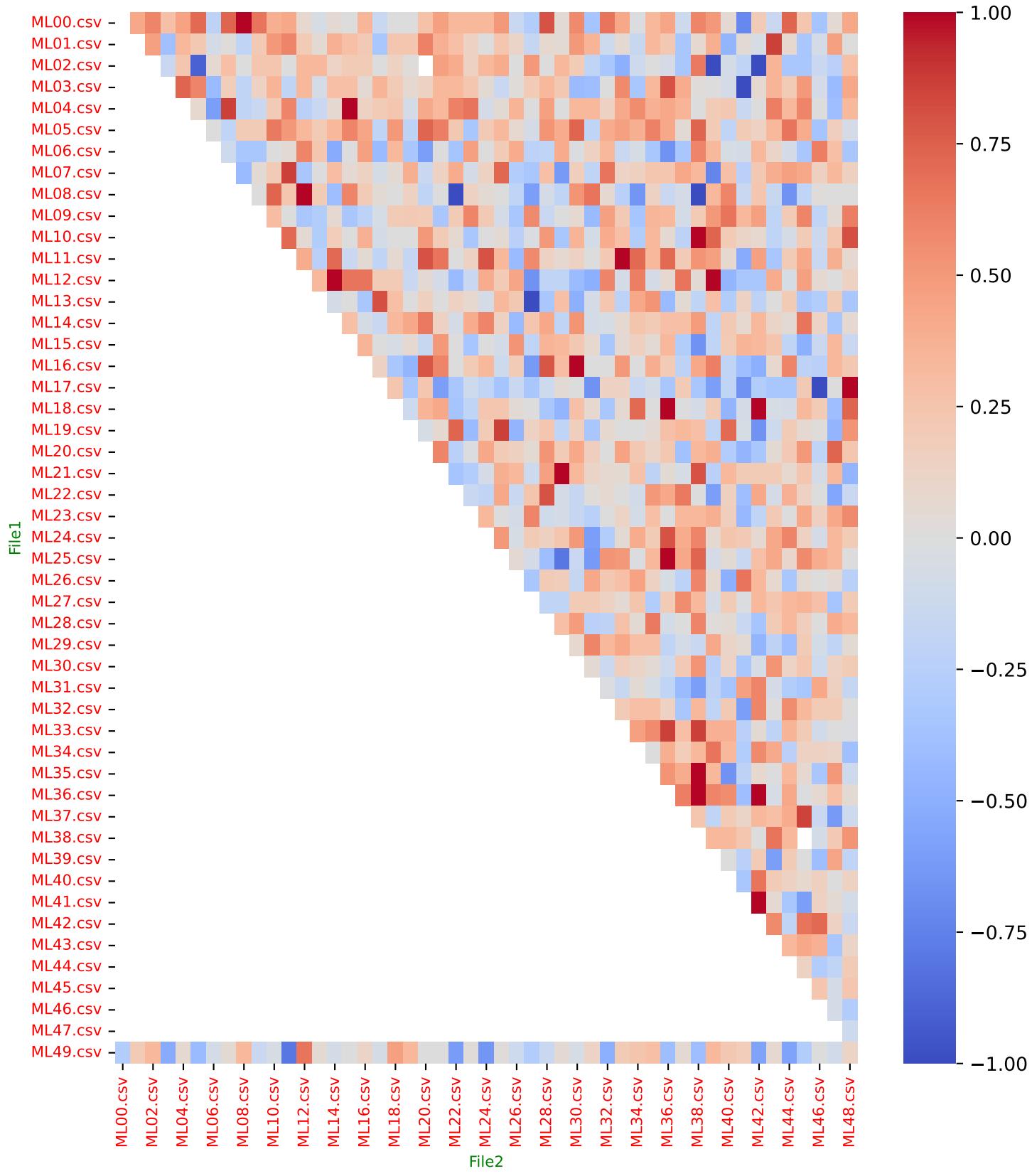


Implementation Number 177

Parameters: Top_N = 30
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 178

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 50
Number of Files: 50**

Implementation Number 178

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 178

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 178

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
020.00 %	BAKON_615	00, 01, 13, 22, 30, 32, 39, 42, 48, 49
056.00 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 10, 11, 12, 15, 16, 17, 18, 19, 22, 23, 24, 27, 35, 36, 38, 43, 44, 46, 48, 49
020.00 %	BAKON_236	00, 08, 11, 19, 20, 21, 27, 42, 44, 45
056.00 %	BAKON_509	00, 01, 03, 07, 08, 12, 13, 18, 19, 21, 23, 24, 27, 29, 30, 31, 32, 33, 34, 36, 40, 41, 43, 44, 46, 47, 48, 49
058.00 %	BAKON_124	00, 02, 04, 06, 08, 14, 16, 17, 19, 22, 24, 25, 26, 27, 28, 29, 30, 32, 33, 35, 38, 39, 40, 41, 43, 46, 47, 48, 49
036.00 %	BAKON_259	00, 07, 08, 09, 14, 16, 18, 23, 24, 26, 27, 29, 30, 31, 38, 44, 45, 46
010.00 %	BAKON_595	00, 03, 06, 17, 48
046.00 %	BAKON_440	00, 01, 02, 03, 04, 06, 10, 11, 12, 14, 15, 18, 20, 28, 35, 37, 38, 39, 42, 46, 47, 48, 49
028.00 %	BAKON_180	00, 01, 03, 04, 05, 17, 23, 26, 28, 33, 37, 41, 46, 49
044.00 %	BAKON_186	00, 04, 06, 08, 12, 14, 15, 17, 19, 21, 23, 25, 26, 27, 30, 34, 40, 41, 42, 44, 46, 49
074.00 %	BAKON_366	00, 01, 02, 03, 05, 06, 10, 11, 13, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 45, 46, 47
042.00 %	BAKON_006	00, 02, 03, 05, 06, 08, 09, 10, 13, 15, 19, 20, 30, 34, 35, 36, 37, 39, 42, 48, 49
030.00 %	BAKON_137	00, 04, 07, 12, 13, 18, 20, 24, 28, 32, 33, 38, 39, 47, 48
036.00 %	BAKON_606	00, 09, 11, 17, 18, 19, 21, 24, 25, 29, 30, 31, 32, 33, 34, 39, 42, 48
058.00 %	BAKON_396	00, 01, 02, 04, 06, 07, 08, 10, 11, 14, 15, 16, 17, 18, 21, 24, 25, 26, 28, 29, 30, 31, 33, 34, 36, 40, 41, 42, 43
058.00 %	BAKON_376	00, 01, 02, 05, 07, 11, 13, 15, 16, 17, 21, 23, 26, 27, 28, 30, 32, 33, 34, 35, 36, 37, 38, 40, 42, 44, 45, 48, 49
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Global node Presence Mean (Weighted): 33.69%

Implementation Number 178

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.1236	0.2200	0.3959	0.0909
ML49.csv	ML01.csv	0.2048	0.3400	0.0000	0.3088
ML49.csv	ML02.csv	0.2195	0.3600	0.0013	0.0980
ML49.csv	ML03.csv	0.1765	0.3000	0.0217	0.2190
ML49.csv	ML04.csv	0.1494	0.2600	0.1786	0.3590
ML49.csv	ML05.csv	0.2195	0.3600	0.9667	0.1503
ML49.csv	ML06.csv	0.2195	0.3600	0.2719	0.0065
ML49.csv	ML07.csv	0.2195	0.3600	0.0000	0.1503
ML49.csv	ML08.csv	0.1494	0.2600	0.2719	0.5128
ML49.csv	ML09.csv	0.1905	0.3200	0.0217	0.1500
ML49.csv	ML10.csv	0.1628	0.2800	0.0002	0.0330
ML49.csv	ML11.csv	0.0989	0.1800	0.0002	-0.0556
ML49.csv	ML12.csv	0.1236	0.2200	0.0217	0.0909
ML49.csv	ML13.csv	0.2346	0.3800	0.0000	-0.1696
ML49.csv	ML14.csv	0.1905	0.3200	0.0058	-0.0333
ML49.csv	ML15.csv	0.2195	0.3600	0.0000	-0.0327
ML49.csv	ML16.csv	0.2658	0.4200	0.0392	0.5333
ML49.csv	ML17.csv	0.2048	0.3400	0.1124	0.1765
ML49.csv	ML18.csv	0.1905	0.3200	0.7166	-0.0833
ML49.csv	ML19.csv	0.1628	0.2800	0.0006	0.1648
ML49.csv	ML20.csv	0.1905	0.3200	0.1786	0.2167
ML49.csv	ML21.csv	0.1765	0.3000	0.1124	0.3143
ML49.csv	ML22.csv	0.1905	0.3200	0.1786	-0.2167
ML49.csv	ML23.csv	0.2195	0.3600	0.0217	-0.0065
ML49.csv	ML24.csv	0.1765	0.3000	0.0013	-0.1619
ML49.csv	ML25.csv	0.2500	0.4000	0.0217	0.0737
ML49.csv	ML26.csv	0.1765	0.3000	0.1786	-0.1619
ML49.csv	ML27.csv	0.2346	0.3800	0.0392	0.3099
ML49.csv	ML28.csv	0.1765	0.3000	0.1124	0.2762
ML49.csv	ML29.csv	0.2048	0.3400	0.7166	0.0294
ML49.csv	ML30.csv	0.1905	0.3200	0.9667	-0.2667
ML49.csv	ML31.csv	0.2048	0.3400	0.3959	0.3235
ML49.csv	ML32.csv	0.2658	0.4200	0.1786	-0.1619
ML49.csv	ML33.csv	0.2346	0.3800	0.0058	0.0877
ML49.csv	ML34.csv	0.2195	0.3600	0.1124	0.0196

Implementation Number 178

Parameters: Top_N = 50

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.1364	0.2400	0.1124	0.0909
ML49.csv	ML36.csv	0.1236	0.2200	0.1124	-0.0909
ML49.csv	ML37.csv	0.1905	0.3200	0.1786	-0.0667
ML49.csv	ML38.csv	0.1494	0.2600	0.1124	0.0769
ML49.csv	ML39.csv	0.1628	0.2800	0.5487	0.2308
ML49.csv	ML40.csv	0.1905	0.3200	0.2719	0.1500
ML49.csv	ML41.csv	0.2048	0.3400	0.0028	0.1618
ML49.csv	ML42.csv	0.1628	0.2800	0.0058	-0.2308
ML49.csv	ML43.csv	0.2346	0.3800	0.7166	-0.2164
ML49.csv	ML44.csv	0.1765	0.3000	0.7166	-0.2190
ML49.csv	ML45.csv	0.2195	0.3600	0.8693	0.2941
ML49.csv	ML46.csv	0.1364	0.2400	0.0217	-0.2424
ML49.csv	ML47.csv	0.2987	0.4600	0.1786	0.1067
ML49.csv	ML48.csv	0.2821	0.4400	0.0058	0.2035
ML00.csv	ML01.csv	0.2048	0.3400	0.0006	0.2794

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Global Metrics:

Mean Jaccard Coefficient (J): 0.1943

Fleiss' Kappa Agreement Index (κ_F): 0.1743

Mean KS Distance Between Pairs (D): 0.3012

Mean p-value for KS Test Pairs: 0.1861

Mean KS Distance for Multiple Samples (D_{mult}): 0.2135

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.1735

Mean Kendall Tau ($\bar{\tau}$): 0.1162

Median Kendall Tau ($\tilde{\tau}$): 0.1176

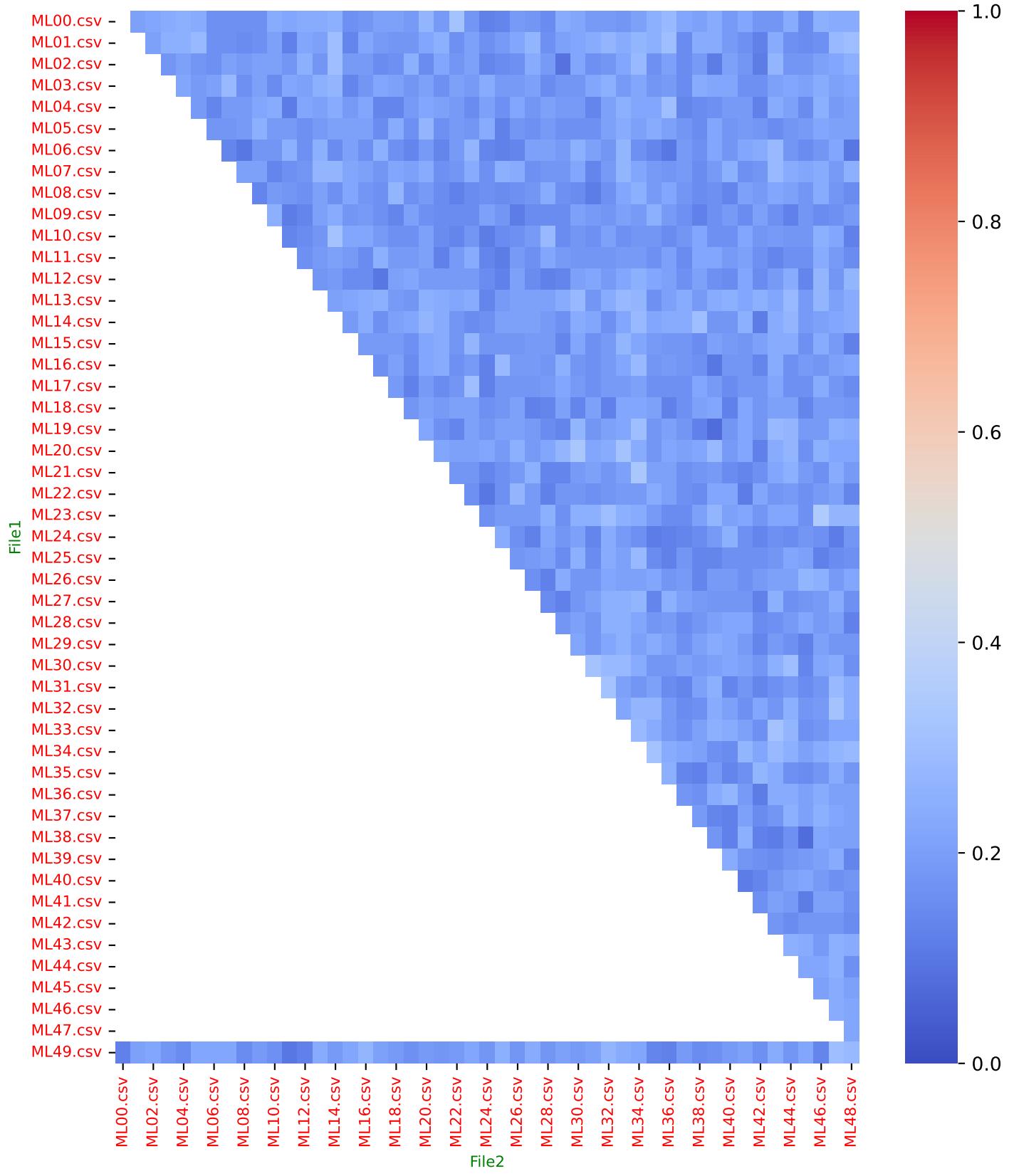
Percentage of Pairs with $\tau > 0$: 73.55%

Implementation Number 178

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

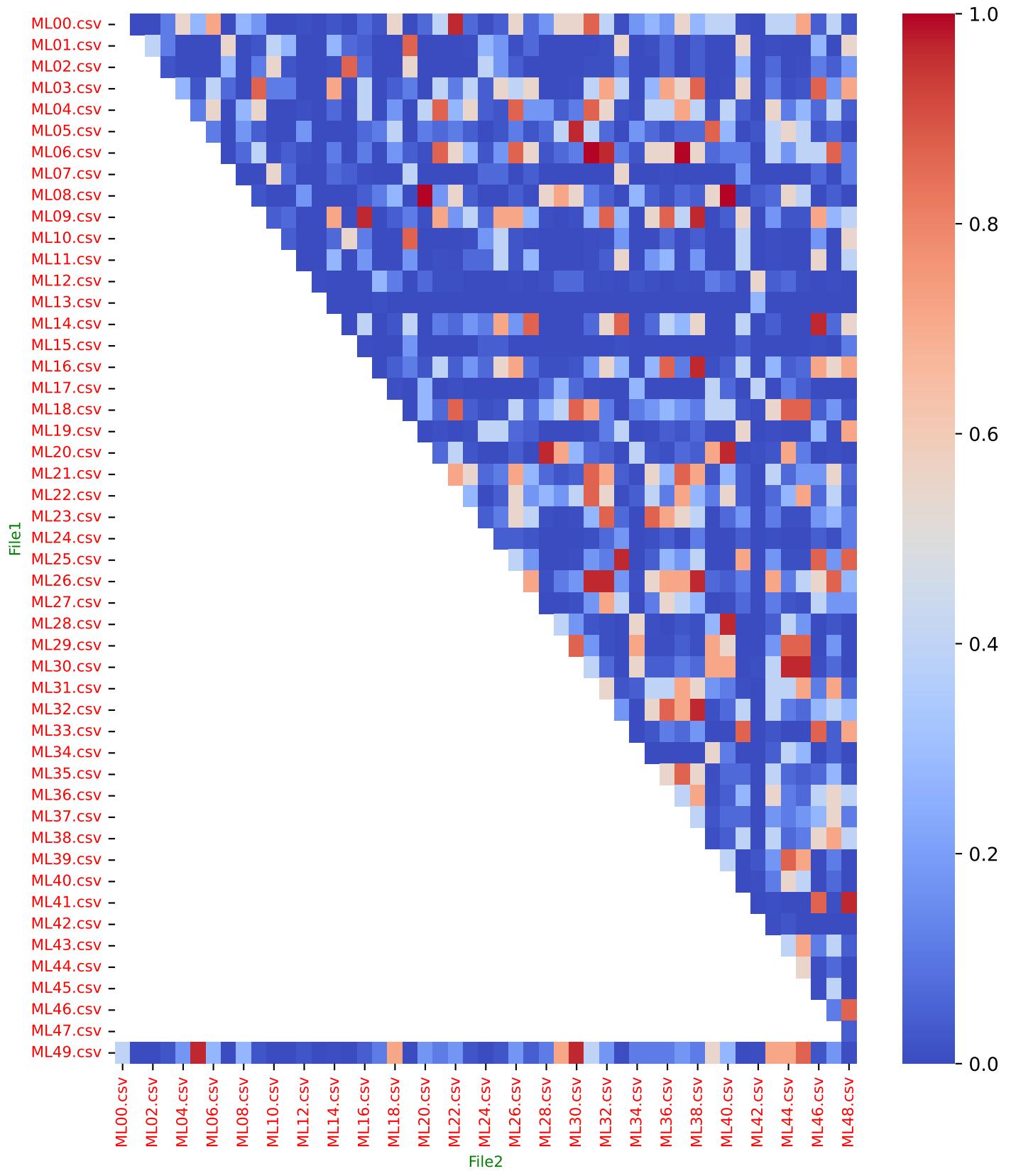


Implementation Number 178

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

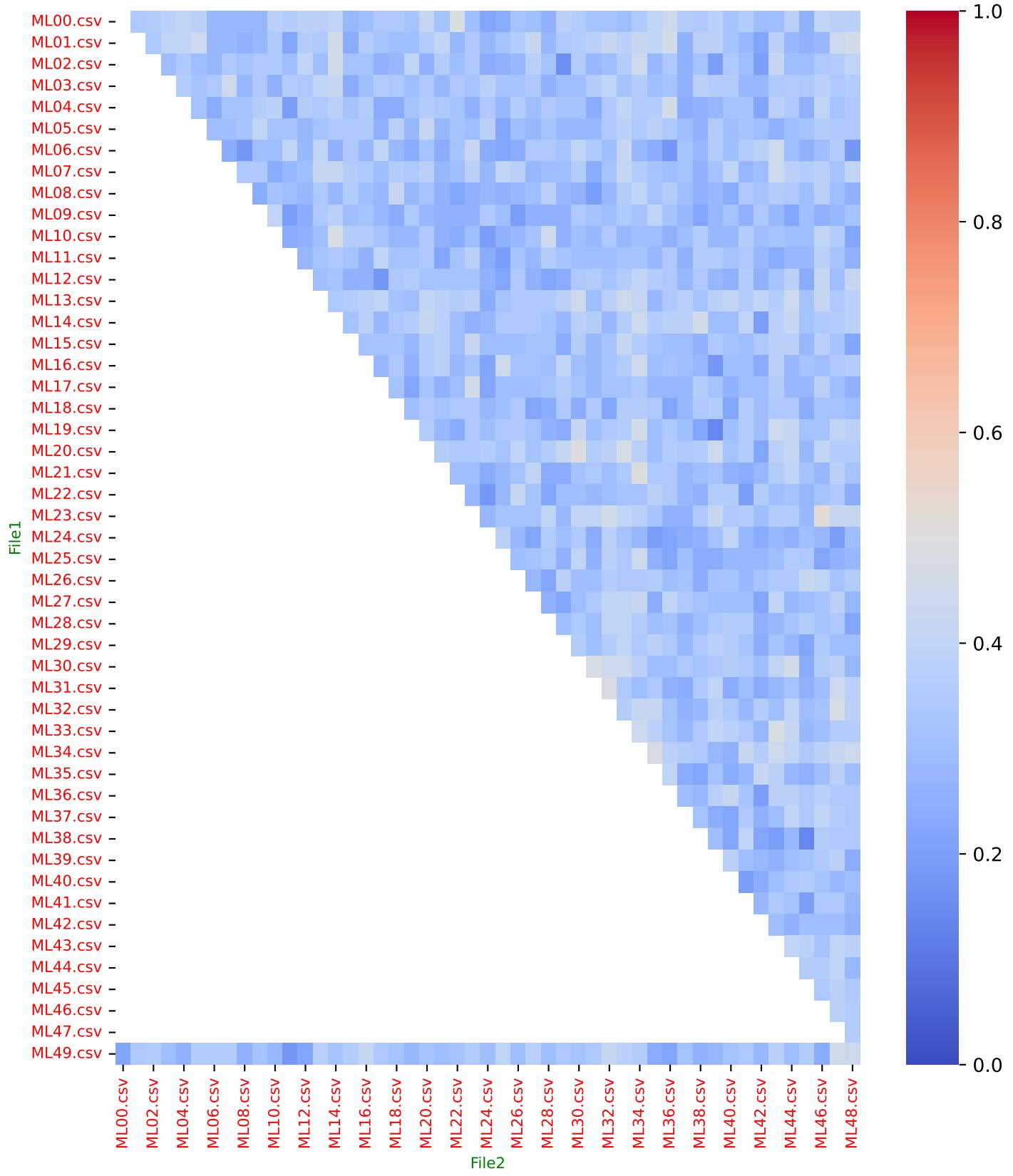


Implementation Number 178

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

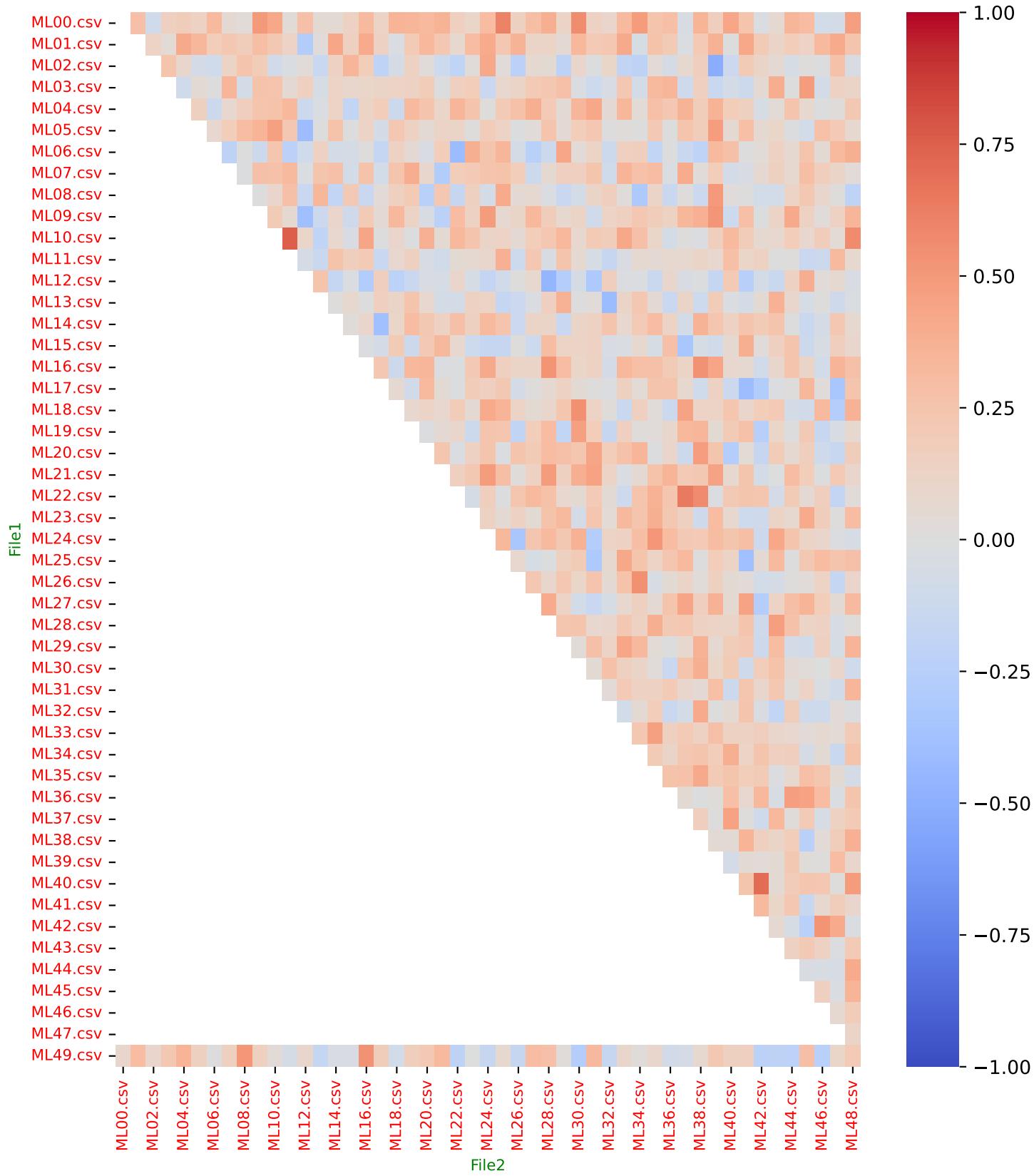


Implementation Number 178

Parameters: Top_N = 50
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 179

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 100
Number of Files: 50**

Implementation Number 179

Parameters: Top_N = 100

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 179

Parameters: Top_N = 100

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 179

Parameters: Top_N = 100

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
030.00 %	BAKON_615	00, 01, 07, 13, 16, 22, 23, 24, 26, 30, 32, 39, 42, 48, 49
076.00 %	BAKON_406	00, 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 29, 30, 33, 35, 36, 37, 38, 40, 42, 43, 44, 46, 48, 49
048.00 %	BAKON_236	00, 06, 08, 11, 12, 14, 17, 19, 20, 21, 22, 25, 26, 27, 29, 30, 35, 36, 41, 42, 44, 45, 46, 47
078.00 %	BAKON_509	00, 01, 03, 06, 07, 08, 12, 13, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49
072.00 %	BAKON_124	00, 02, 03, 04, 06, 08, 12, 14, 15, 16, 17, 18, 19, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 38, 39, 40, 41, 43, 44, 46, 47, 48, 49
070.00 %	BAKON_259	00, 02, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 16, 18, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38, 42, 43, 44, 45, 46, 48
022.00 %	BAKON_595	00, 03, 06, 15, 17, 24, 35, 37, 42, 44, 48
070.00 %	BAKON_440	00, 01, 02, 03, 04, 06, 08, 09, 10, 11, 12, 14, 15, 18, 20, 21, 22, 25, 26, 27, 28, 29, 33, 35, 36, 37, 38, 39, 42, 43, 44, 46, 47, 48, 49
038.00 %	BAKON_180	00, 01, 03, 04, 05, 09, 13, 17, 18, 23, 26, 28, 33, 34, 36, 37, 41, 46, 49
084.00 %	BAKON_186	00, 01, 02, 03, 04, 05, 06, 08, 09, 12, 13, 14, 15, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38, 40, 41, 42, 43, 44, 45, 46, 48, 49
092.00 %	BAKON_366	00, 01, 02, 03, 04, 05, 06, 07, 08, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 45, 46, 47, 48
064.00 %	BAKON_006	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 15, 19, 20, 23, 24, 26, 30, 32, 33, 34, 35, 36, 37, 38, 39, 42, 46, 48, 49
042.00 %	BAKON_137	00, 04, 07, 10, 11, 12, 13, 15, 18, 20, 24, 26, 27, 28, 32, 33, 38, 39, 45, 47, 48

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Global node Presence Mean (Weighted): 49.64%

Implementation Number 179

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.3333	0.5000	0.8154	0.1527
ML49.csv	ML01.csv	0.3514	0.5200	0.0000	0.2398
ML49.csv	ML02.csv	0.3793	0.5500	0.0539	0.1987
ML49.csv	ML03.csv	0.3793	0.5500	0.0099	0.0653
ML49.csv	ML04.csv	0.2903	0.4500	0.4695	0.0869
ML49.csv	ML05.csv	0.3605	0.5300	0.4695	0.1248
ML49.csv	ML06.csv	0.3514	0.5200	0.7021	0.0694
ML49.csv	ML07.csv	0.3699	0.5400	0.0000	0.3194
ML49.csv	ML08.csv	0.2821	0.4400	0.7021	0.0909
ML49.csv	ML09.csv	0.2987	0.4600	0.1112	0.1981
ML49.csv	ML10.csv	0.2987	0.4600	0.0022	0.1981
ML49.csv	ML11.csv	0.3245	0.4900	0.0001	0.0357
ML49.csv	ML12.csv	0.3333	0.5000	0.0061	0.0498
ML49.csv	ML13.csv	0.3245	0.4900	0.0000	0.0884
ML49.csv	ML14.csv	0.3605	0.5300	0.0037	0.0987
ML49.csv	ML15.csv	0.3423	0.5100	0.0099	0.2267
ML49.csv	ML16.csv	0.3158	0.4800	0.2819	0.3156
ML49.csv	ML17.csv	0.2987	0.4600	0.2112	0.1643
ML49.csv	ML18.csv	0.2422	0.3900	0.4695	0.1741
ML49.csv	ML19.csv	0.3333	0.5000	0.0000	0.1461
ML49.csv	ML20.csv	0.3333	0.5000	0.2819	0.2294
ML49.csv	ML21.csv	0.3245	0.4900	0.4695	0.0357
ML49.csv	ML22.csv	0.2821	0.4400	0.5830	0.1966
ML49.csv	ML23.csv	0.3514	0.5200	0.0539	0.2383
ML49.csv	ML24.csv	0.3245	0.4900	0.0156	0.1820
ML49.csv	ML25.csv	0.3333	0.5000	0.0539	0.1118
ML49.csv	ML26.csv	0.2821	0.4400	0.5830	0.2727
ML49.csv	ML27.csv	0.2987	0.4600	0.0539	0.2773
ML49.csv	ML28.csv	0.2987	0.4600	0.4695	0.1556
ML49.csv	ML29.csv	0.3158	0.4800	0.9684	0.2500
ML49.csv	ML30.csv	0.3333	0.5000	0.1112	0.0727
ML49.csv	ML31.csv	0.3072	0.4700	0.7021	0.0749
ML49.csv	ML32.csv	0.3699	0.5400	0.2819	0.2048
ML49.csv	ML33.csv	0.3605	0.5300	0.0241	0.1843
ML49.csv	ML34.csv	0.3245	0.4900	0.4695	0.3129

Implementation Number 179

Parameters: Top_N = 100

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.3072	0.4700	0.2819	0.0601
ML49.csv	ML36.csv	0.3699	0.5400	0.3682	-0.0161
ML49.csv	ML37.csv	0.3072	0.4700	0.5830	0.2248
ML49.csv	ML38.csv	0.2821	0.4400	0.1548	0.0381
ML49.csv	ML39.csv	0.3072	0.4700	0.0539	0.2137
ML49.csv	ML40.csv	0.2987	0.4600	0.3682	0.1903
ML49.csv	ML41.csv	0.3245	0.4900	0.0013	0.1701
ML49.csv	ML42.csv	0.3158	0.4800	0.0099	0.0337
ML49.csv	ML43.csv	0.3158	0.4800	0.1112	0.2358
ML49.csv	ML44.csv	0.3514	0.5200	0.1548	0.0241
ML49.csv	ML45.csv	0.3605	0.5300	0.9684	0.1872
ML49.csv	ML46.csv	0.2821	0.4400	0.2112	0.1416
ML49.csv	ML47.csv	0.4085	0.5800	0.2112	0.1743
ML49.csv	ML48.csv	0.3245	0.4900	0.0539	0.3844
ML00.csv	ML01.csv	0.3245	0.4900	0.0000	0.1922

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Global Metrics:

Mean Jaccard Coefficient (J): 0.3220

Fleiss' Kappa Agreement Index (κ_F): 0.2728

Mean KS Distance Between Pairs (D): 0.2026

Mean p-value for KS Test Pairs: 0.2062

Mean KS Distance for Multiple Samples (D_{mult}): 0.1420

Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.2124

Mean Kendall Tau (τ): 0.1123

Median Kendall Tau ($\tilde{\tau}$): 0.1122

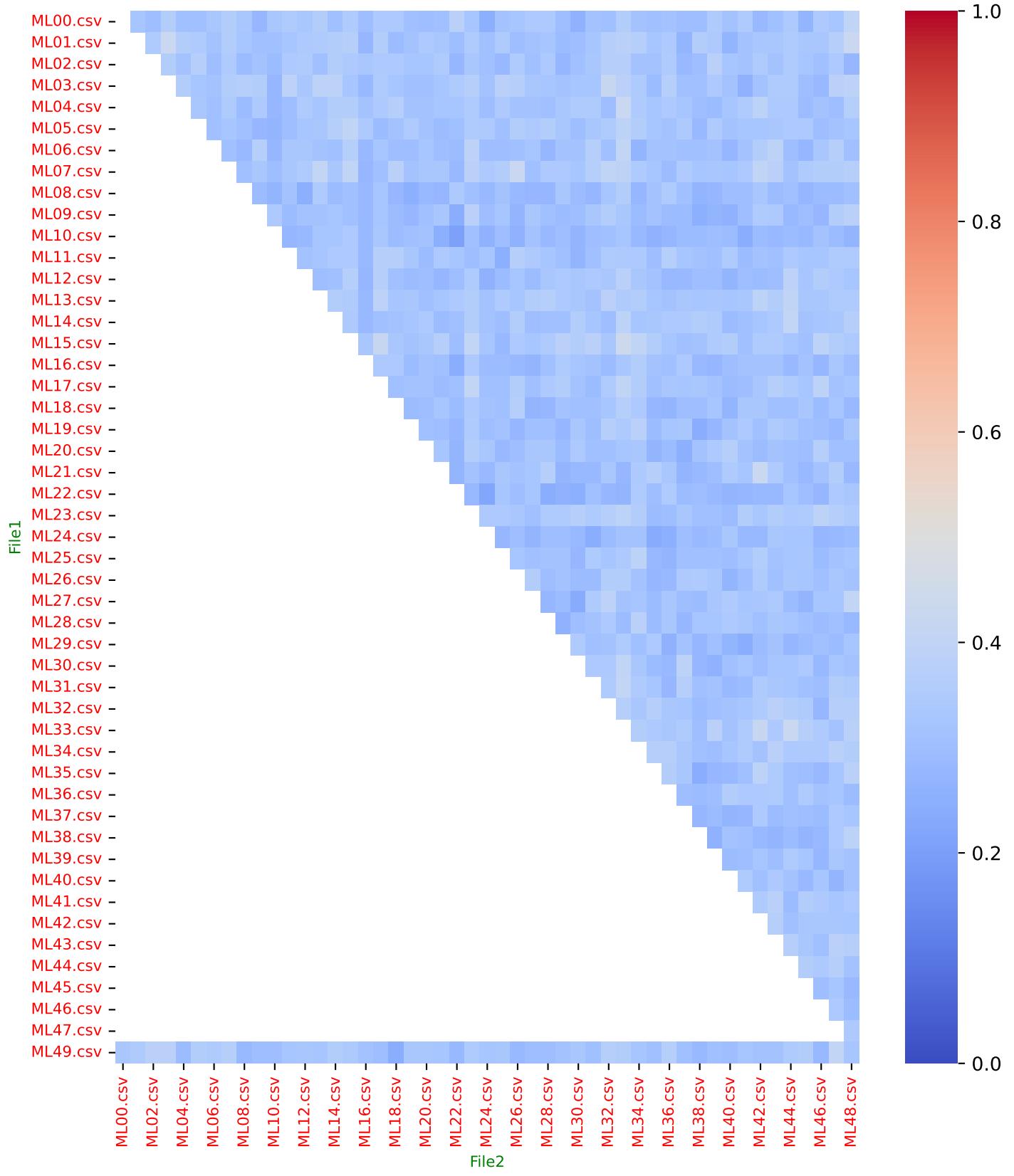
Percentage of Pairs with $\tau > 0$: 85.96%

Implementation Number 179

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

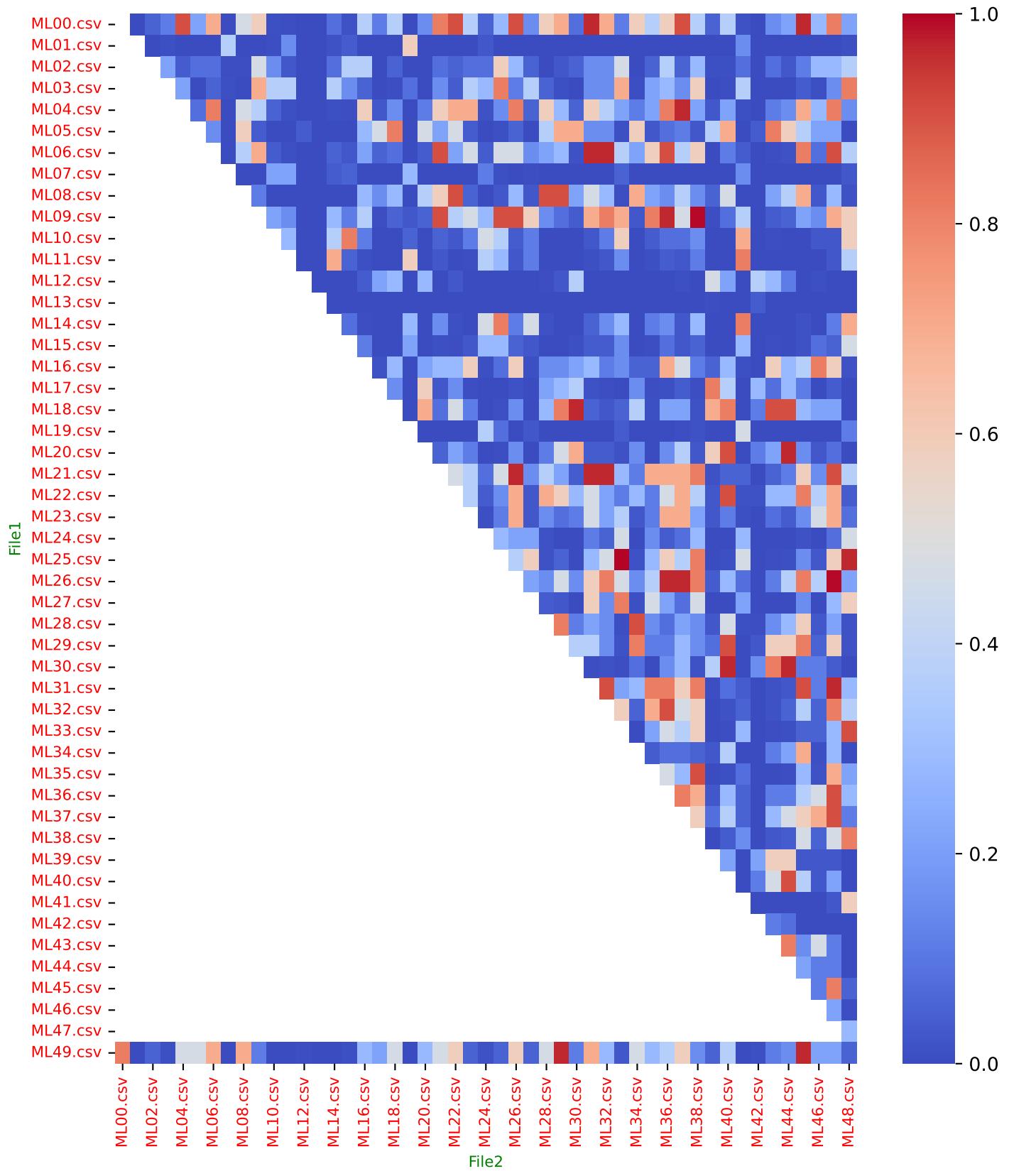


Implementation Number 179

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

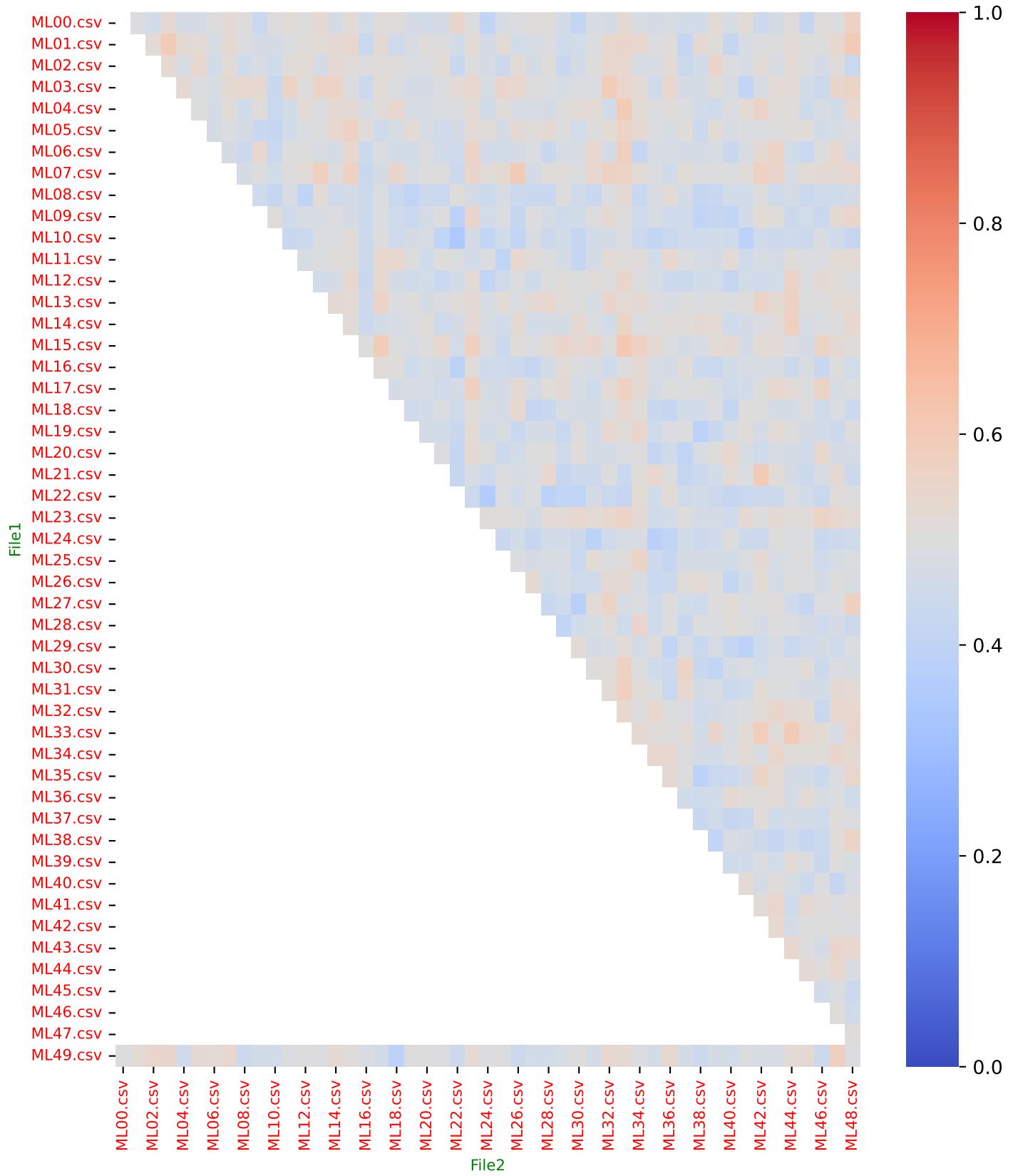


Implementation Number 179

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient

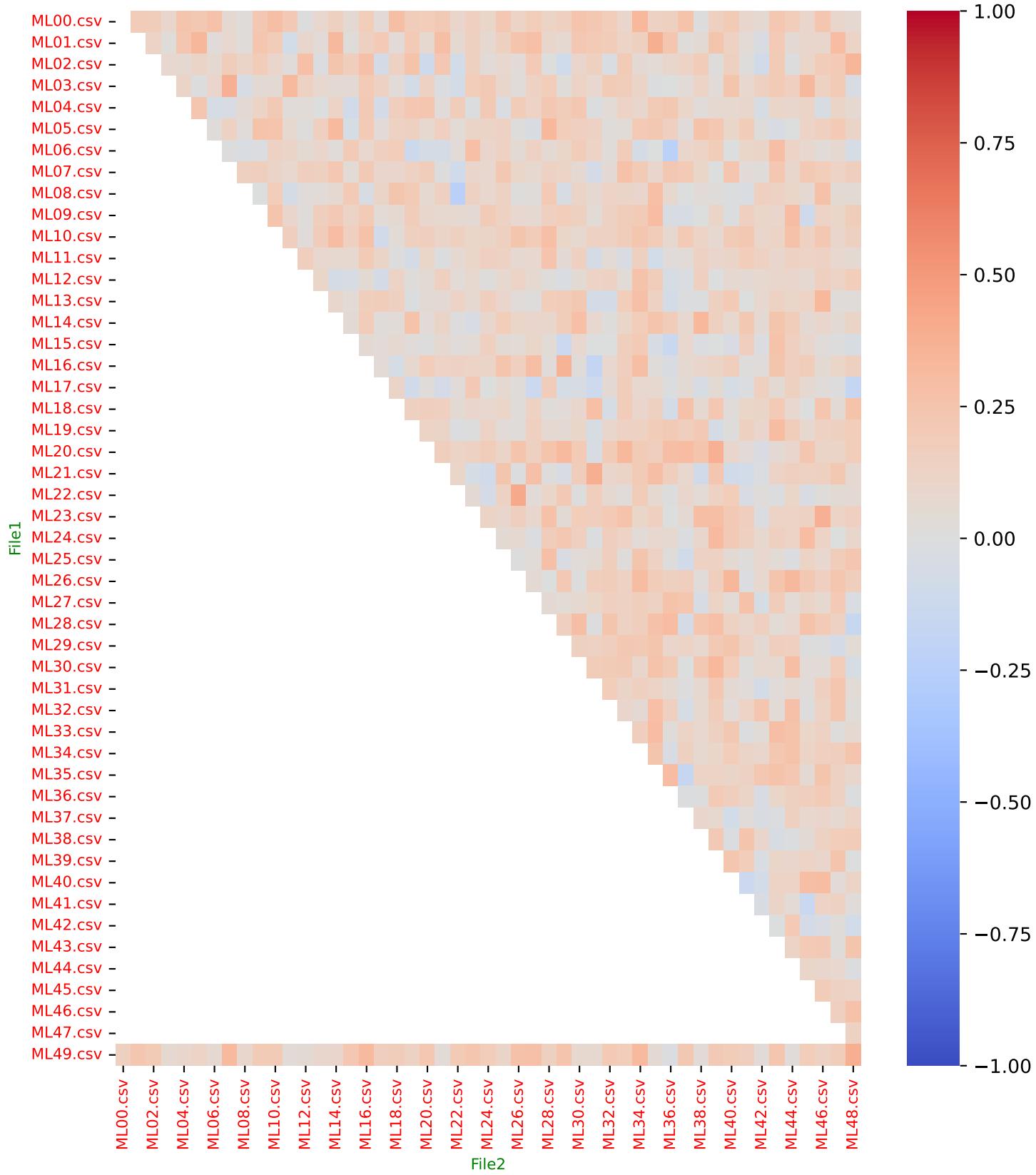


Implementation Number 179

Parameters: Top_N = 100
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation



Implementation 180

Similarity, Correlation and Distribution Tests

*Mode: Machine Learning
Metric: Bridging centrality*

**Top Nodes: 200
Number of Files: 50**

Implementation Number 180

Parameters: Top_N = 200

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file

Label	File	Bridgingcentrality
BAKON_615	00	22.2604
BAKON_406	00	18.6344
BAKON_236	00	17.7840
BAKON_509	00	17.5920
BAKON_124	00	15.8350
BAKON_259	00	15.4117
BAKON_595	00	14.8351
BAKON_366	01	22.7639
BAKON_093	01	17.4616
BAKON_149	01	14.1806
BAKON_363	01	14.1130
BAKON_406	01	14.0831
BAKON_219	01	11.9230
BAKON_477	01	11.5549
BAKON_366	02	42.3306
BAKON_262	02	29.7882
BAKON_006	02	23.6909
BAKON_406	02	21.3452
BAKON_286	02	20.1196
BAKON_148	02	16.4495
BAKON_283	02	16.4167
BAKON_595	03	30.2031
BAKON_406	03	29.1749
BAKON_318	03	25.3578
BAKON_579	03	22.8351
BAKON_483	03	22.0932
BAKON_268	03	21.7753
BAKON_144	03	21.6205
BAKON_396	04	18.2146
BAKON_363	04	17.4220
BAKON_192	04	15.4074
BAKON_427	04	14.8786
BAKON_430	04	13.5838
BAKON_027	04	13.0747
BAKON_124	04	12.7107
BAKON_366	05	26.2776
BAKON_322	05	16.5498
BAKON_367	05	15.5414

Implementation Number 180

Parameters: Top_N = 200

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top 7 Nodes per file (Continuation)

BAKON_363	05	14.0682
BAKON_148	05	13.9830
BAKON_263	05	13.9773
BAKON_376	05	13.5797
BAKON_366	06	37.5634
BAKON_216	06	32.2664
BAKON_176	06	31.4290
BAKON_067	06	28.6960
BAKON_164	06	24.4672
BAKON_227	06	19.9733
BAKON_363	06	17.6387
BAKON_285	07	15.5775
BAKON_219	07	15.1211
BAKON_469	07	14.2295
BAKON_578	07	13.5823
BAKON_108	07	12.6230
BAKON_026	07	12.2086
BAKON_365	07	12.1609
BAKON_363	08	24.9755
BAKON_283	08	18.9292
BAKON_370	08	16.1644
BAKON_480	08	15.5599
BAKON_396	08	15.3704
BAKON_406	08	14.8179
BAKON_540	08	13.6170
BAKON_197	09	16.6258
BAKON_268	09	14.8194
BAKON_293	09	13.6119
BAKON_555	09	13.3239
BAKON_484	09	12.1342
BAKON_176	09	11.6075
BAKON_164	09	10.8442

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Implementation Number 180

Parameters: Top_N = 200

Number of files = 50

Mode: Machine Learning

Selected metric: Bridgingcentrality

Top Nodes with Percentage

TopN Nodes

% Presence	Label	Files
052.00 %	BAKON_615	00, 01, 05, 07, 08, 10, 11, 13, 16, 20, 21, 22, 23, 24, 26, 29, 30, 31, 32, 39, 41, 42, 43, 44, 48, 49
090.00 %	BAKON_406	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48, 49
076.00 %	BAKON_236	00, 04, 06, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 31, 34, 35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47
086.00 %	BAKON_509	00, 01, 03, 04, 06, 07, 08, 09, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49
092.00 %	BAKON_124	00, 01, 02, 03, 04, 06, 07, 08, 09, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
088.00 %	BAKON_259	00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 42, 43, 44, 45, 46, 47, 48
054.00 %	BAKON_595	00, 01, 02, 03, 04, 06, 09, 11, 15, 16, 17, 22, 23, 24, 25, 28, 30, 32, 34, 35, 36, 37, 42, 44, 46, 47, 48
090.00 %	BAKON_440	00, 01, 02, 03, 04, 05, 06, 08, 09, 10, 11, 12, 14, 15, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49
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Global node Presence Mean (Weighted): 69.63%

Implementation Number 180

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files

Application of Jaccard and Overlap Coefficients, Kolmogorov-Smirnov Test (KSp) and Kendall Tau Correlation

File1	File2	Jaccard	Overlap	KS_p	Kendall
ML49.csv	ML00.csv	0.5625	0.7200	0.7934	0.1749
ML49.csv	ML01.csv	0.5326	0.6950	0.0021	0.1629
ML49.csv	ML02.csv	0.5385	0.7000	0.3281	0.2492
ML49.csv	ML03.csv	0.5326	0.6950	0.1421	0.1808
ML49.csv	ML04.csv	0.5504	0.7100	0.8655	0.1544
ML49.csv	ML05.csv	0.5564	0.7150	0.5453	0.3235
ML49.csv	ML06.csv	0.5444	0.7050	0.3281	0.2446
ML49.csv	ML07.csv	0.5444	0.7050	0.0043	0.2406
ML49.csv	ML08.csv	0.5444	0.7050	0.9647	0.1420
ML49.csv	ML09.csv	0.5748	0.7300	0.1779	0.2216
ML49.csv	ML10.csv	0.5152	0.6800	0.0680	0.1923
ML49.csv	ML11.csv	0.5326	0.6950	0.0163	0.1417
ML49.csv	ML12.csv	0.5686	0.7250	0.1123	0.1383
ML49.csv	ML13.csv	0.4870	0.6550	0.0010	0.2289
ML49.csv	ML14.csv	0.5564	0.7150	0.0521	0.3251
ML49.csv	ML15.csv	0.5444	0.7050	0.1421	0.2836
ML49.csv	ML16.csv	0.5326	0.6950	0.7126	0.2629
ML49.csv	ML17.csv	0.5385	0.7000	0.3281	0.2030
ML49.csv	ML18.csv	0.4815	0.6500	0.0396	0.2086
ML49.csv	ML19.csv	0.5038	0.6700	0.0085	0.0888
ML49.csv	ML20.csv	0.5209	0.6850	0.3281	0.1840
ML49.csv	ML21.csv	0.5267	0.6900	0.0878	0.1905
ML49.csv	ML22.csv	0.5385	0.7000	0.9238	0.1956
ML49.csv	ML23.csv	0.5326	0.6950	0.3281	0.2365
ML49.csv	ML24.csv	0.5209	0.6850	0.1779	0.1817
ML49.csv	ML25.csv	0.5267	0.6900	0.3281	0.2372
ML49.csv	ML26.csv	0.5326	0.6950	0.9238	0.1443
ML49.csv	ML27.csv	0.5444	0.7050	0.3281	0.1078
ML49.csv	ML28.csv	0.5038	0.6700	0.8655	0.1329
ML49.csv	ML29.csv	0.5564	0.7150	0.9238	0.2414
ML49.csv	ML30.csv	0.5564	0.7150	0.1123	0.1868
ML49.csv	ML31.csv	0.4981	0.6650	0.6284	0.1957
ML49.csv	ML32.csv	0.5385	0.7000	0.7126	0.2800
ML49.csv	ML33.csv	0.5152	0.6800	0.2205	0.2222
ML49.csv	ML34.csv	0.5385	0.7000	0.7934	0.1878

Implementation Number 180

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Similarity, Correlation and Distribution Tests between files (Continuation)

ML49.csv	ML35.csv	0.5038	0.6700	0.3935	0.1467
ML49.csv	ML36.csv	0.5748	0.7300	0.6284	0.1479
ML49.csv	ML37.csv	0.5326	0.6950	0.8655	0.1708
ML49.csv	ML38.csv	0.4925	0.6600	0.5453	0.1804
ML49.csv	ML39.csv	0.5444	0.7050	0.3281	0.1956
ML49.csv	ML40.csv	0.5152	0.6800	0.1421	0.1662
ML49.csv	ML41.csv	0.5209	0.6850	0.0521	0.1710
ML49.csv	ML42.csv	0.5326	0.6950	0.0030	0.1996
ML49.csv	ML43.csv	0.5326	0.6950	0.3935	0.1508
ML49.csv	ML44.csv	0.5326	0.6950	0.4663	0.1642
ML49.csv	ML45.csv	0.5209	0.6850	0.9878	0.1816
ML49.csv	ML46.csv	0.5209	0.6850	0.3281	0.1350
ML49.csv	ML47.csv	0.5504	0.7100	0.1123	0.3758
ML49.csv	ML48.csv	0.5686	0.7250	0.3281	0.2097
ML00.csv	ML01.csv	0.5936	0.7450	0.0061	0.1675

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Global Metrics:

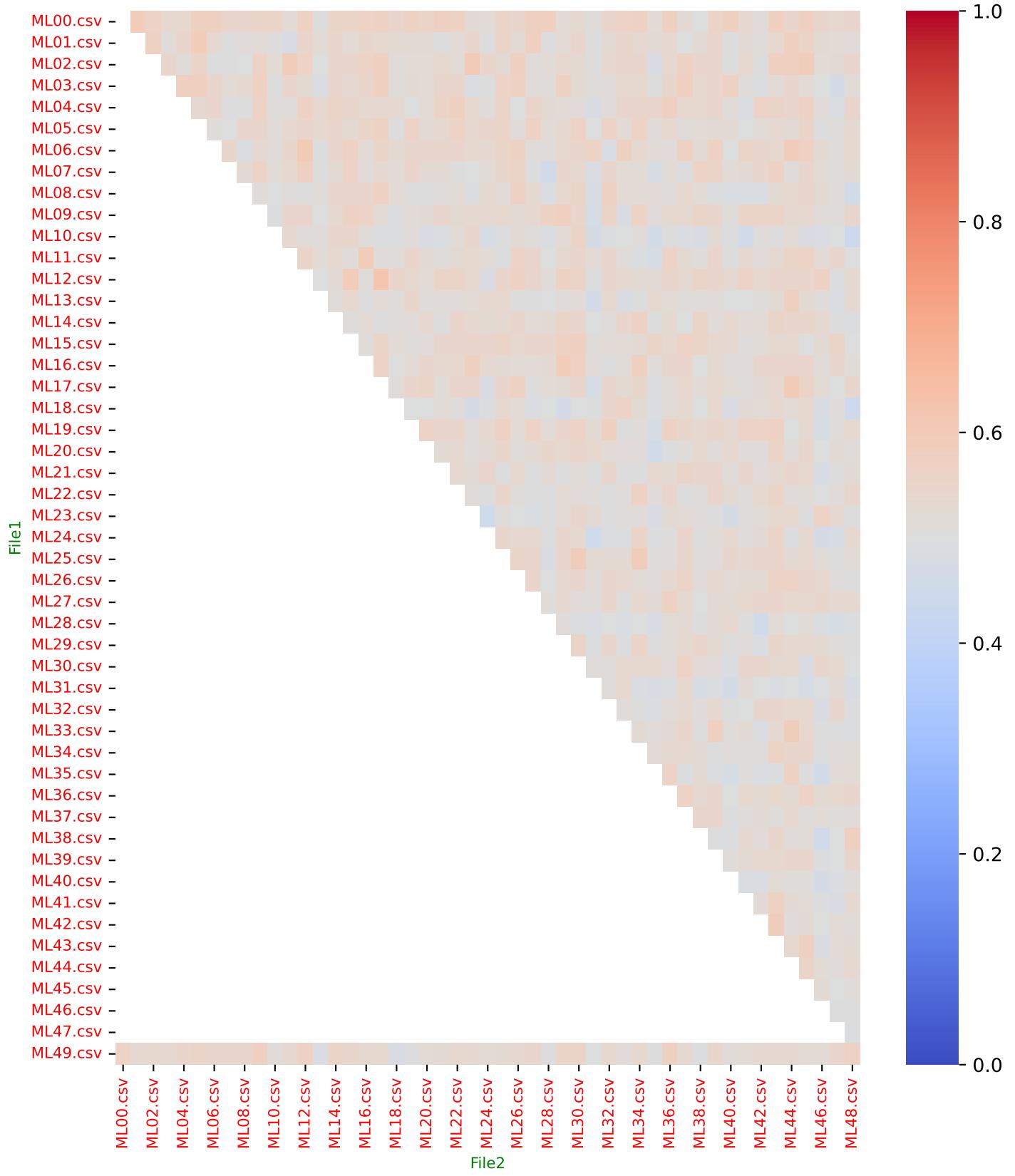
Mean Jaccard Coefficient (\bar{J}): 0.5273
Fleiss' Kappa Agreement Index (κ_F): 0.3935
Mean KS Distance Between Pairs (D): 0.1194
Mean p-value for KS Test Pairs: 0.2728
Mean KS Distance for Multiple Samples (D_{mult}): 0.0852
Mean p-value for Multiple Sample KS Test (\bar{p}_{mult}): 0.2767
Mean Kendall Tau ($\bar{\tau}$): 0.1956
Median Kendall Tau ($\tilde{\tau}$): 0.1954
Percentage of Pairs with $\tau > 0$: 100.00%

Implementation Number 180

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Jaccard Coefficient

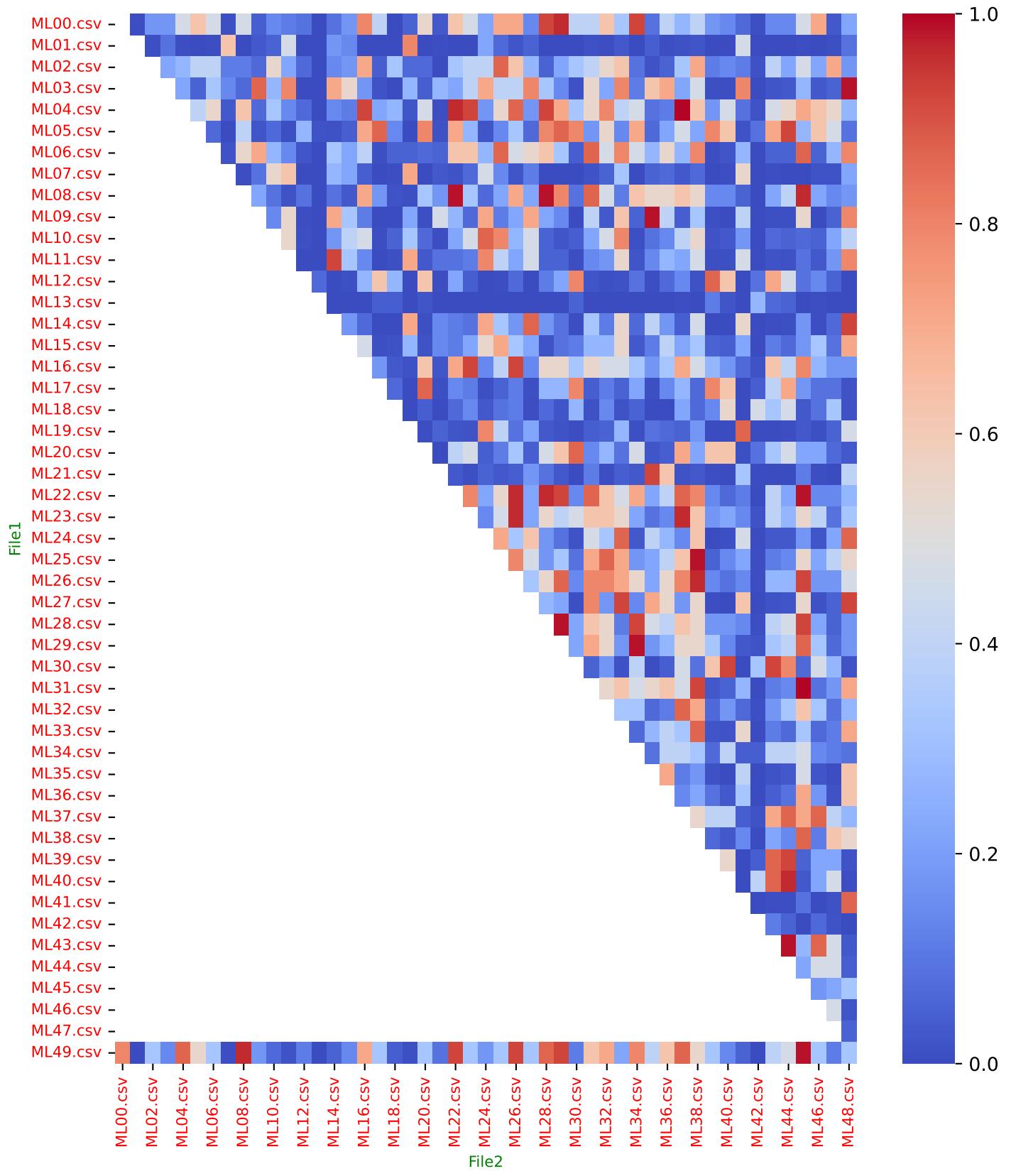


Implementation Number 180

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kolmogorov-Smirnov Test (KS_p)

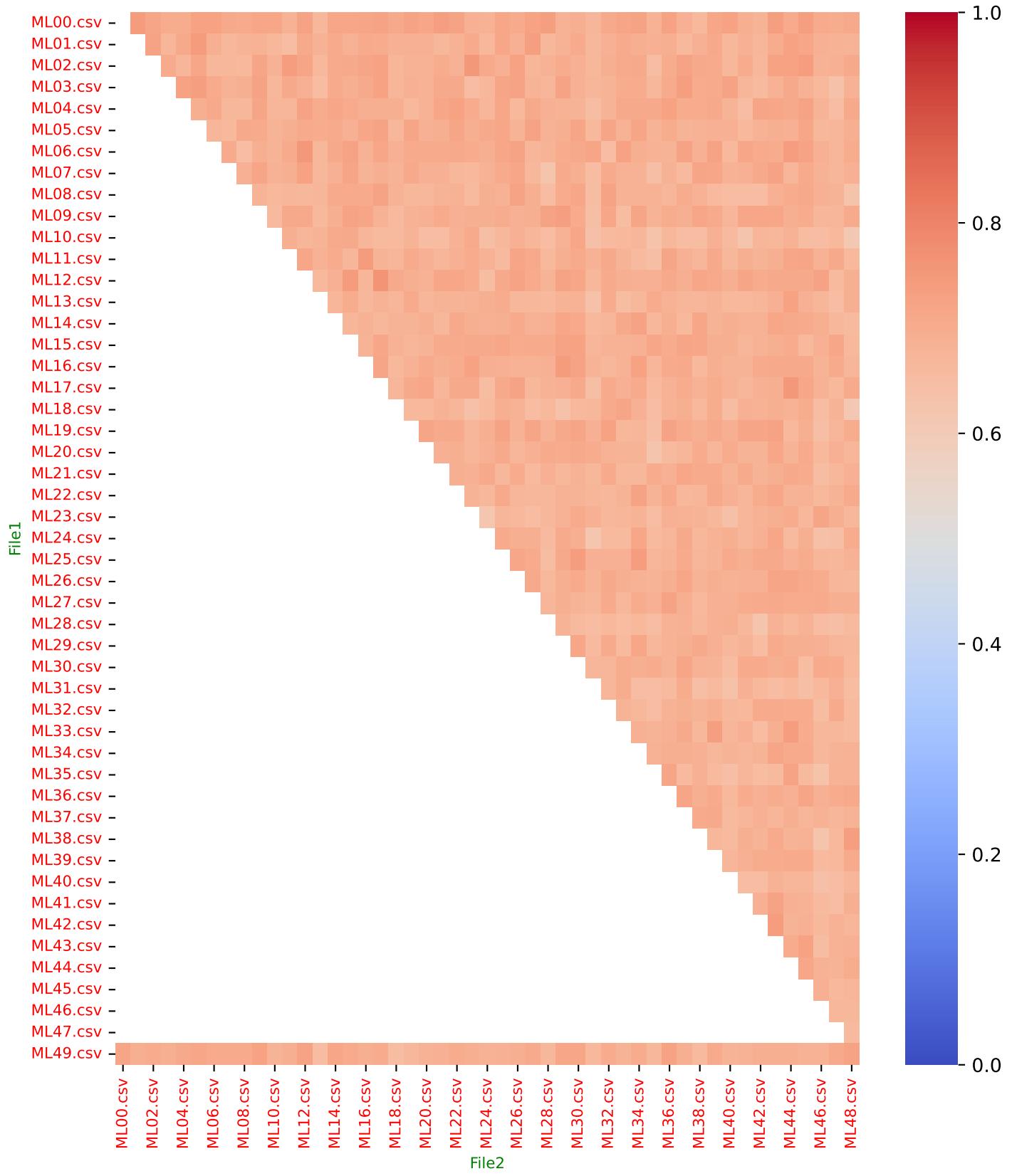


Implementation Number 180

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Overlap Coefficient



Implementation Number 180

Parameters: Top_N = 200
Number of files = 50

Mode: Machine Learning
Selected metric: Bridgingcentrality

Heatmap of Kendall Tau Correlation

