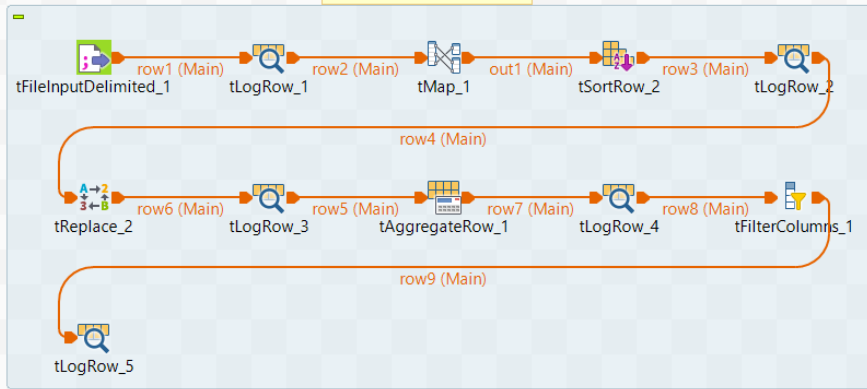


## 220911478 - Lab 1 Q1



Talend Open Studio for Data Integration (8.0.1.20211109\_1610) | TALEND\_220911478 (Connection: Local)

File Edit View Search Window Help

Support

Job(Q1 0.1) Contexts(Q1) Component Run (Job Q1)

### Job Q1

Basic Run  
Debug Run  
Advanced settings  
Target Exec  
Memory Run

Execution

Run Kill Clear

Starting job Q1 at 18:57 13/02/2025.  
[statistics] connecting to socket on port 3557  
[statistics] connected

tLogRow\_1

Name	Roll_No	Reg_No	Name_Bruh
Name1	5	220910000	
Name2	10	220910003	
Name3	15	220910002	
Name4	20	220910004	
Name1	7	220910000	
Name2	12	220910003	
Name3	17	220910002	
Name4	22	220910004	
Name1	9	220910000	
Name2	14	220910003	
Name3	19	220910002	
Name4	24	220910004	

tLogRow\_2

Name	Roll_No	Reg_No	Name_Bruh
Name1	5	220910000	Name1_Bruh
Name1	7	220910000	Name1_Bruh
Name1	9	220910000	Name1_Bruh
Name3	15	220910002	Name3_Bruh
Name3	17	220910002	Name3_Bruh
Name3	19	220910002	Name3_Bruh
Name2	10	220910003	Name2_Bruh
Name2	12	220910003	Name2_Bruh
Name2	14	220910003	Name2_Bruh
Name5	20	220910004	Name4_Bruh
Name5	22	220910004	Name4_Bruh
Name5	24	220910004	Name4_Bruh

tLogRow\_3

Name	Roll_No	Reg_No	Name_Bruh	count	min	max	avg	std_dev
Name5	20	220910004	Name4_Bruh	3	20	24	22.0	2.0
Name1	5	220910000	Name1_Bruh	3	5	9	7.0	2.0
Name2	10	220910003	Name2_Bruh	3	10	14	12.0	2.0
Name3	15	220910002	Name3_Bruh	3	15	19	17.0	2.0

tLogRow\_4

Name	Roll_No	Reg_No	Name_Bruh	count	min	max	avg	std_dev
Name5	20	220910004	Name4_Bruh	3	20	24	22.0	2.0
Name1	5	220910000	Name1_Bruh	3	5	9	7.0	2.0
Name2	10	220910003	Name2_Bruh	3	10	14	12.0	2.0
Name3	15	220910002	Name3_Bruh	3	15	19	17.0	2.0

tLogRow\_5

Name	Roll_No	Reg_No	Name_Bruh	count	min	max	avg	std_dev
Name5	20	220910004	Name4_Bruh	3	20	24	22.0	2.0
Name1	5	220910000	Name1_Bruh	3	5	9	7.0	2.0
Name2	10	220910003	Name2_Bruh	3	10	14	12.0	2.0
Name3	15	220910002	Name3_Bruh	3	15	19	17.0	2.0

[statistics] disconnected

Talend Open Studio for Data Integration (8.0.1.20211109\_1610) | TALEND\_220911478 (Connection: Local)

File Edit View Search Window Help

Support

Job(Q1 0.1) Contexts(Q1) Component Run (Job Q1)

### Job Q1

Basic Run  
Debug Run  
Advanced settings  
Target Exec  
Memory Run

Execution

Run Kill Clear

tLogRow\_3

Name	Roll_No	Reg_No	Name_Bruh
Name1	5	220910000	Name1_Bruh
Name1	7	220910000	Name1_Bruh
Name1	9	220910000	Name1_Bruh
Name3	15	220910002	Name3_Bruh
Name3	17	220910002	Name3_Bruh
Name3	19	220910002	Name3_Bruh
Name2	10	220910003	Name2_Bruh
Name2	12	220910003	Name2_Bruh
Name2	14	220910003	Name2_Bruh
Name5	20	220910004	Name4_Bruh
Name5	22	220910004	Name4_Bruh
Name5	24	220910004	Name4_Bruh

tLogRow\_4

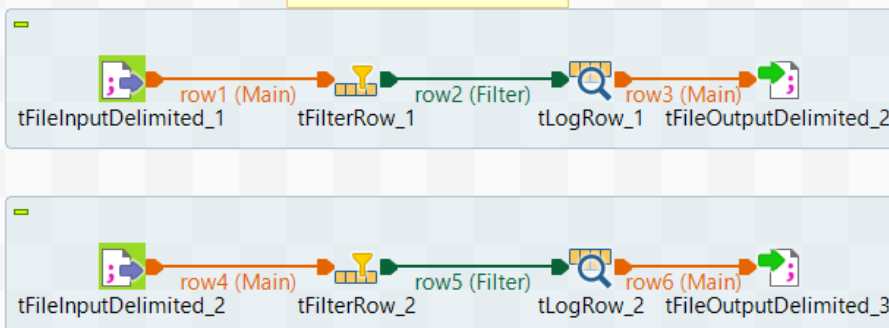
Name	Roll_No	Reg_No	Name_Bruh	count	min	max	avg	std_dev
Name5	20	220910004	Name4_Bruh	3	20	24	22.0	2.0
Name1	5	220910000	Name1_Bruh	3	5	9	7.0	2.0
Name2	10	220910003	Name2_Bruh	3	10	14	12.0	2.0
Name3	15	220910002	Name3_Bruh	3	15	19	17.0	2.0

tLogRow\_5

Name	Roll_No	Reg_No	Name_Bruh	count	min	max	avg	std_dev
Name5	20	220910004	Name4_Bruh	3	20	24	22.0	2.0
Name1	5	220910000	Name1_Bruh	3	5	9	7.0	2.0
Name2	10	220910003	Name2_Bruh	3	10	14	12.0	2.0
Name3	15	220910002	Name3_Bruh	3	15	19	17.0	2.0

[statistics] disconnected

## 220911478 - Lab 2 Q1



Q101.csv

17-01-2025 14:48

Microsoft Excel Co...

5,252 KB

Q102.csv

17-01-2025 14:48

Microsoft Excel Co...

2 KB

Talend Open Studio for Data Integration (8.0.1.20211109\_1610) | TALEND\_220911478 (Connection: Local)

File Edit View Search Window Help

Support [Icons]

Job(L2Q1 0.1) Contexts(L2Q1) Component Run (Job L2Q1)

### Job L2Q1

Basic Run  
Debug Run  
Advanced settings  
Target Exec  
Memory Run

Execution

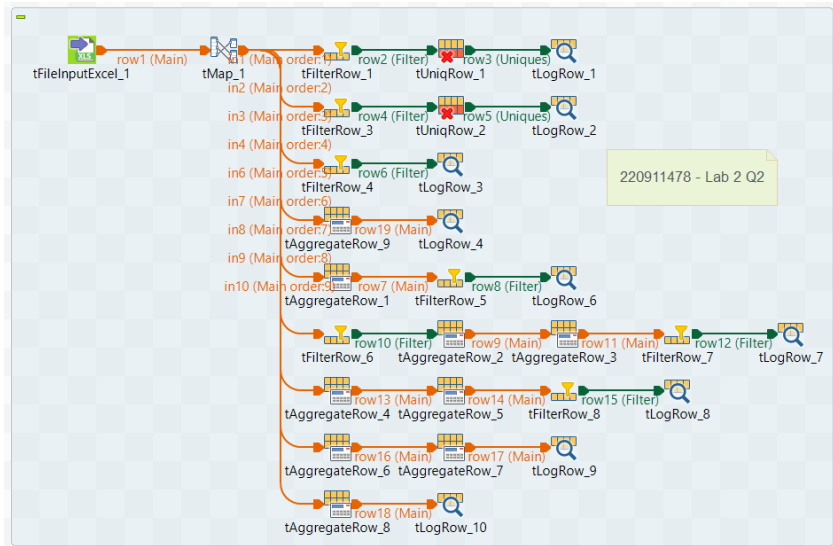
Run Kill Clear

101300	FLORIDA HOSPITAL WAUCHULA	533 W CARLTON RD				WAUCHULA
101300	FLORIDA HOSPITAL WAUCHULA	533 W CARLTON RD				WAUCHULA
101300	FLORIDA HOSPITAL WAUCHULA	533 W CARLTON RD				WAUCHULA
101300	FLORIDA HOSPITAL WAUCHULA	533 W CARLTON RD				WAUCHULA
101300	FLORIDA HOSPITAL WAUCHULA	533 W CARLTON RD				WAUCHULA
101300	FLORIDA HOSPITAL WAUCHULA	533 W CARLTON RD				WAUCHULA
101300	FLORIDA HOSPITAL WAUCHULA	533 W CARLTON RD				WAUCHULA
101300	FLORIDA HOSPITAL WAUCHULA	533 W CARLTON RD				WAUCHULA
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK
101301	SHANDS AT LIVE OAK	1100 SW 11TH ST				LIVE OAK

providernumber	hospitalname	address1	address2	address3	city	state	zip	country	phone	hospitaltype
10164	COOSA VALLEY MEDICAL CENTER	315 W HICKORY ST			SYLACAUGA	AL	35150.0	TALLADEGA	2562495000	Acute Care H
10164	COOSA VALLEY MEDICAL CENTER	315 W HICKORY ST			SYLACAUGA	AL	35150.0	TALLADEGA	2562495000	Acute Care H
10164	COOSA VALLEY MEDICAL CENTER	315 W HICKORY ST			SYLACAUGA	AL	35150.0	TALLADEGA	2562495000	Acute Care H
10164	COOSA VALLEY MEDICAL CENTER	315 W HICKORY ST			SYLACAUGA	AL	35150.0	TALLADEGA	2562495000	Acute Care H

[statistics] disconnected

Job L2Q1 ended at 18:59 13/02/2025. [Exit code = 0]



Talend Open Studio for Data Integration (8.0.1.20211109\_1610) | TALEND\_220911478 (Connection: Local)

File Edit View Search Window Help

Support [Icons]

Job(L2\_Q2 0.1) Contexts(L2\_Q2) Component Run (Job L2\_Q2)

### Job L2\_Q2

Basic Run  
Debug Run  
Advanced settings  
Target Exec  
Memory Run

Execution

Run Kill Clear

dept	Cname
ICT	Compilers
ICT	Operating Systems
ICT	Data Structures
ICT	Web Programming

tLogRow_2	
dept	ISBN
ICT	1111
Operating Systems	

tLogRow_3	
Name	Cname
Michael	Brown
Compilers	92

tLogRow_4	
dept	Major
ICT	ICT
Chemistry	Chemistry
Biology	Biology
Physics	Physics
Mathematics	Mathematics

tLogRow_6	
Cname	Count

Talend Open Studio for Data Integration (8.0.1.20211109\_1610) | TALEND\_220911478 (Connection: Local)

File Edit View Search Window Help

Support [Icons]

Job(L2\_Q2 0.1) Contexts(L2\_Q2) Component Run (Job L2\_Q2)

### Job L2\_Q2

Basic Run  
Debug Run  
Advanced settings  
Target Exec  
Memory Run

Execution

Run Kill Clear

tLogRow_7	
dept	author
Distinct	BookCount
ICT	Ken
3	

tLogRow_8	
dept	PubCount
Chemistry	1
Biology	1
Physics	1

tLogRow_9	
Cname	MaxCount
Web Programming	3

tLogRow_10	
Name	marks
Sarah Lee	81
John Doe	180
Chris Black	85
Michael Brown	169
James Green	79
Anna White	82
Kevin Red	90
Daniel Yellow	87
Grace Orange	73
Emily Gray	95
Laura Blue	84
Jane Smith	178

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Repository

- Training Resources (connected)
- Samples
- Community Samples (connected)
- Local Repository (Local)
- DB (Legacy)

Operators

Search for Operators

- Data Access (83)
- Blending (81)
- Cleansing (28)
- Modeling (167)
- Scoring (13)
- Validation (30)
- Utility (85)

Process

Process

220911478 - Lab 3 Q1

Open in Turbo Prep Auto Model

Filter (4 / 4 e)

Row No.	id	author	sem	dept = ICT	dept = Physi...	dept = Che...	dept = Biolo...	dept = Math...	ISBN	Course_ID	title
1	6	Ken	range1 [-∞ - 0...	true	false	false	false	false	false	C101	Advanced Co...
2	9	Jones	range2 [0.671 -...	false	false	false	true	false	false	C107	Biology Today
3	4	Ken	range1 [-∞ - 0...	true	false	false	false	false	false	C106	Data Structure...
4	5	Ken	range1 [-∞ - 0...	true	false	false	false	false	true	C110	Web Program...

ExampleSet (Transpose) ExampleSet (Split Data) ExampleSet (Remove Duplicates)

Open in Turbo Prep Auto Model

Filter (4 / 4 e)

Row No.	id	dept = ICT	dept = Physi...	dept = Che...	dept = Biolo...	dept = Math...	ISBN	Course_ID	sem	title	author
1	3	true	false	false	false	false	false	C101	1	Advanced Co...	Ken
2	7	false	true	false	false	false	true	C104	2	Physics Funda...	Halliday
3	14	false	true	false	false	false	true	C104	3	Physics Funda...	Halliday
4	15	false	false	true	false	false	false	C105	1	Chemistry Ba...	Martin

ExampleSet (Transpose) ExampleSet (Split Data) ExampleSet (Remove Duplicates)

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Repository

- Training Resources (connected)
- Community Samples (connected)
- Local Repository (Local)
- DB (Legacy)

Operators

Search for Operators

Process

Process

220911478 - Lab 3 Q2

ExampleSet (Filter Examples (3)) ExampleSet (Filter Examples (2)) ExampleSet (Aggregate) ExampleSet (Multiply (2))

Result History

Correlation Matrix (Correlation Matrix) ExampleSet (Filter Examples (4))

Open in Turbo Prep Auto Model

Filter (1 / 1 examples): all

Row No.	mode(buying)
1	vhigh

ExampleSet (Transpose)		
Open in  Turbo Prep  Auto Model		
Row No.	id	att_2
1	dept = ICT	true
2	dept = Physics	false
3	dept = Chemis...	false
4	dept = Biology	false
5	dept = Mathem...	false
6	ISBN	false
7	Course_ID	C102
8	sem	1.0
9	title	Operating Sys...
10	author	Silberschatz

//Local Repository/processes/220911478/3/3 - RapidMiner Studio Educational 10.0.000 @ MIT-ICT-LAB4-06

File Edit Process View Connections Settings Extensions Help



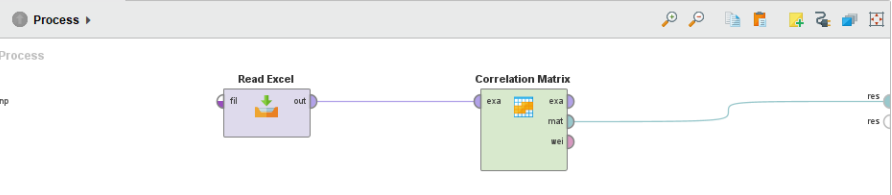
Views: Design Results Turbo Prep Auto Model

Repository

Import Data

- Training Resources (connected)
- Samples
- Community Samples (connected)
- Local Repository (Local)
- DB (Legacy)

Process



//Local Repository/processes/220911478/3/3 - RapidMiner Studio Educational 10.0.000 @ MIT-ICT-LAB4-06

File Edit Process View Connections Settings Extensions Help



Views: Design

Result History

Correlation Matrix (Correlation Matrix)

Data

Pairwise Table

Attributes	AMZN Closing Price	AMZN Daily Percent Return
AMZN Closing Price	1	0.006
AMZN Daily Percent Return	0.006	1

//Local Repository/processes/Lab\_3/1 - RapidMiner Studio Educational 10.0.000 @ Ishan

File Edit Process View Connections Settings Extensions Help



Views: Design Results Turbo Prep Auto Model

Repository

Import Data

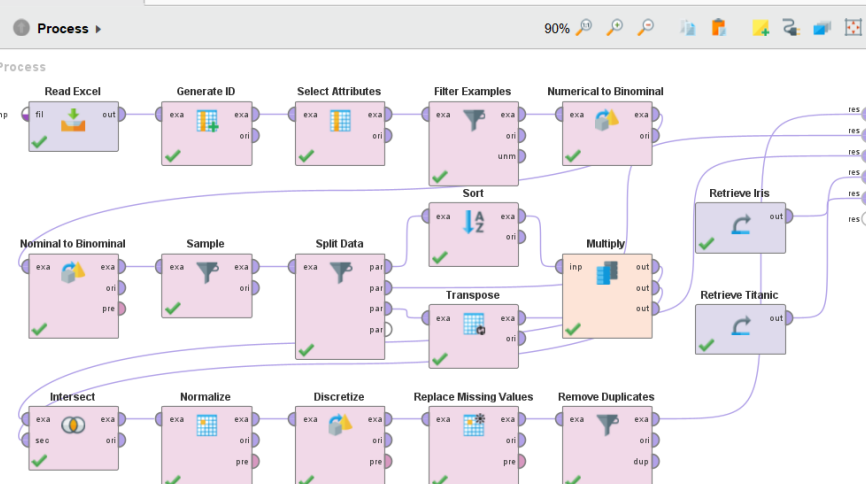
- Training Resources (connected)
- Samples
  - data
    - Deals
    - Deals-Testset
    - Golf
    - Golf-Testset
    - Iris
    - Labor-Negotiations
    - Market-Data
    - Polynomial

Operators

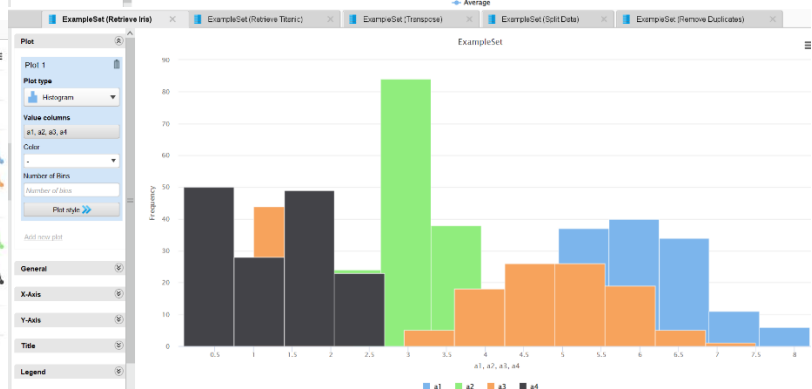
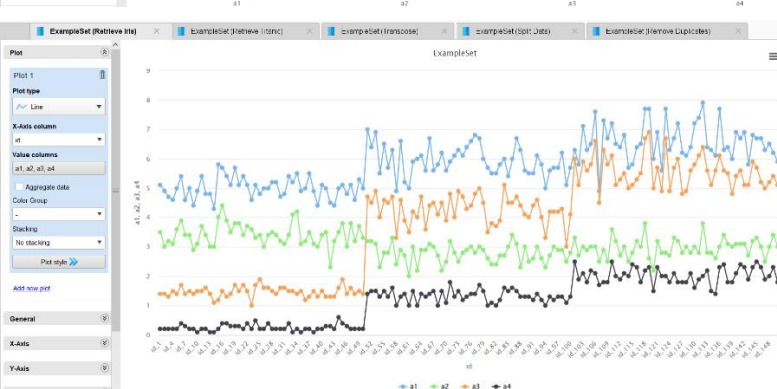
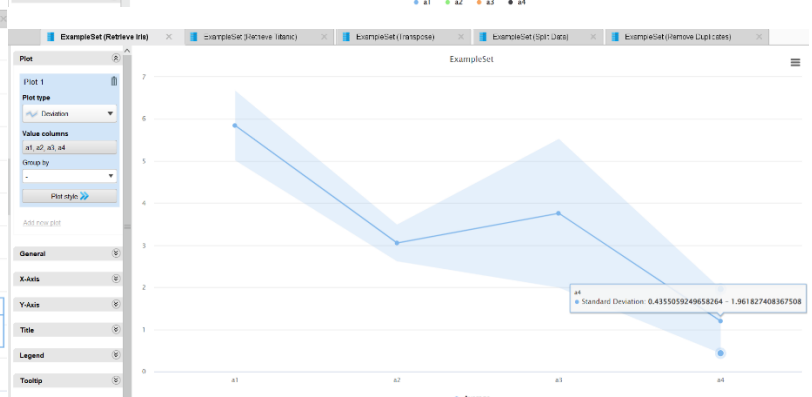
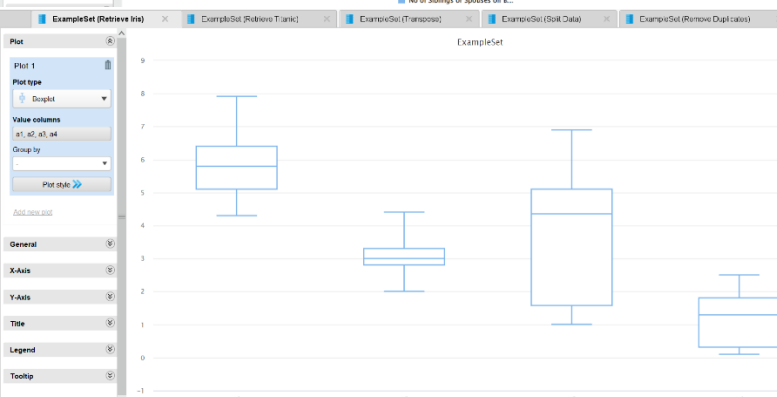
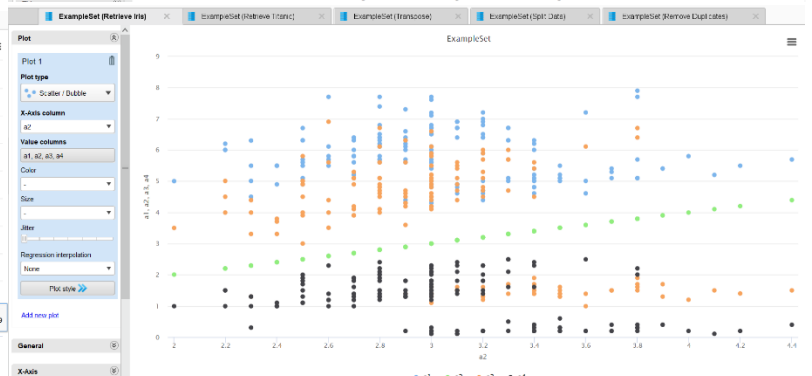
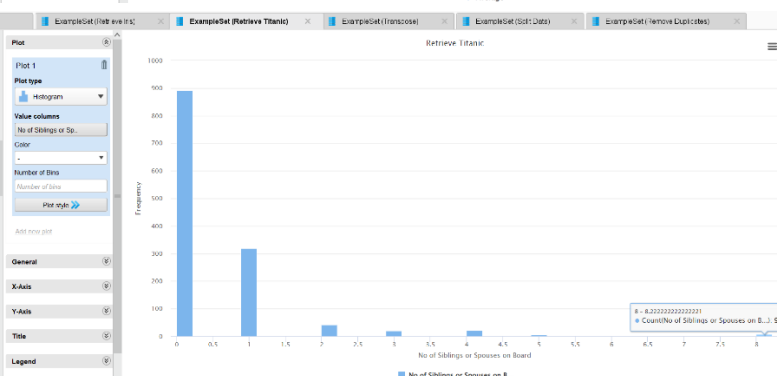
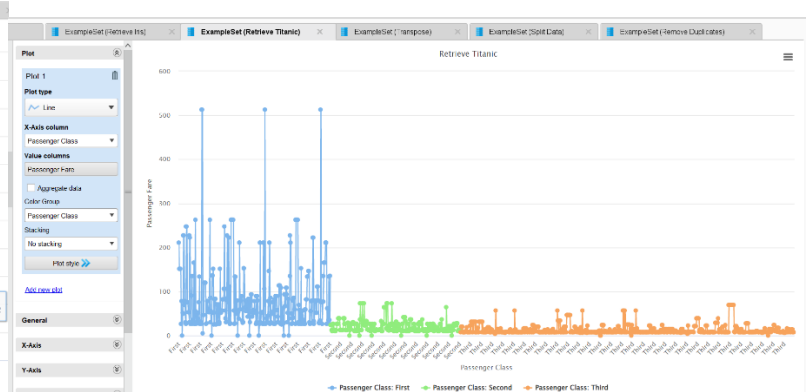
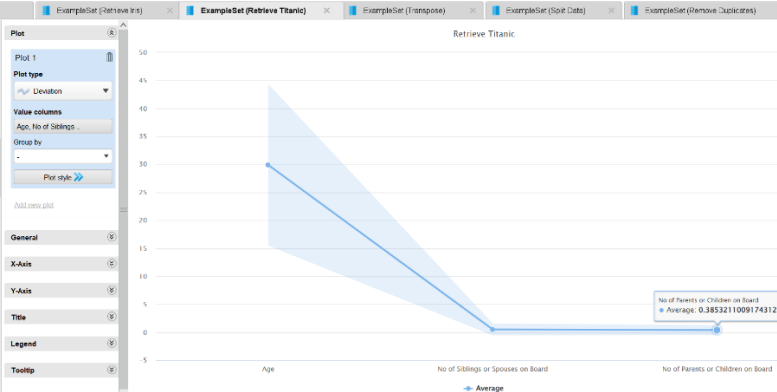
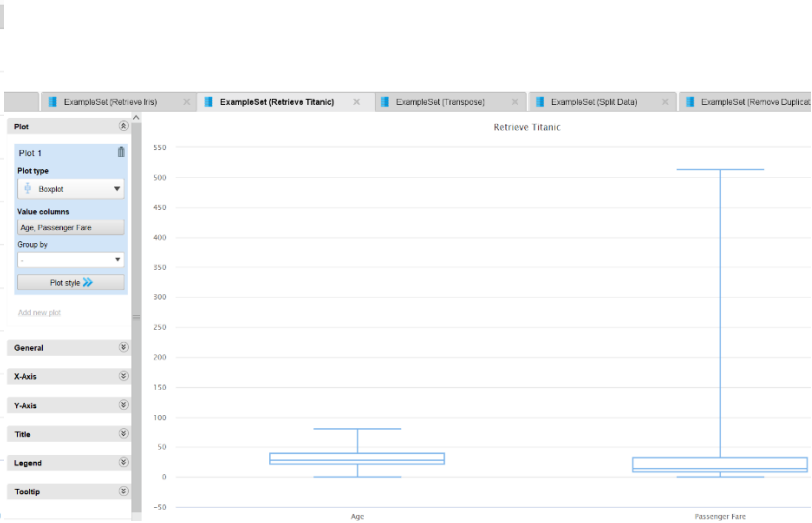
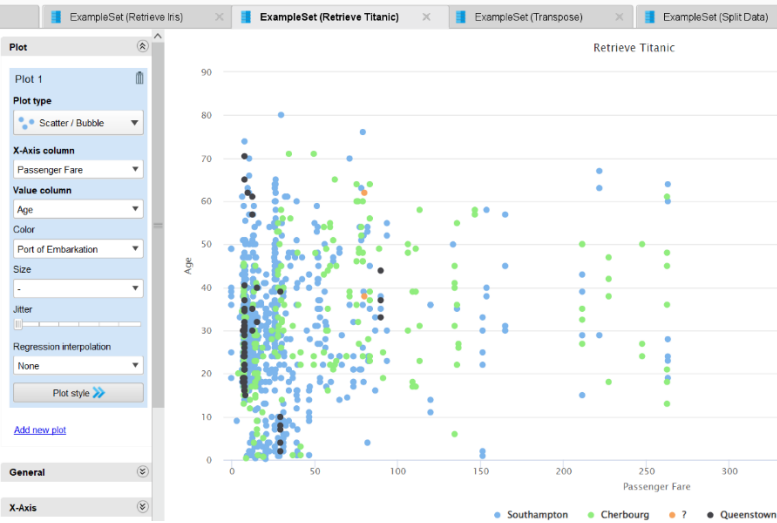
Search for Operators

- Data Access (63)
- Blending (81)
- Cleansing (28)
- Modeling (167)

Process



220911478 - Lab 3 Q1





//Local Repository/processes/220911478/4/all - RapidMiner Studio Educational 10.0.000 @ MIT-ICT-LAB4-06

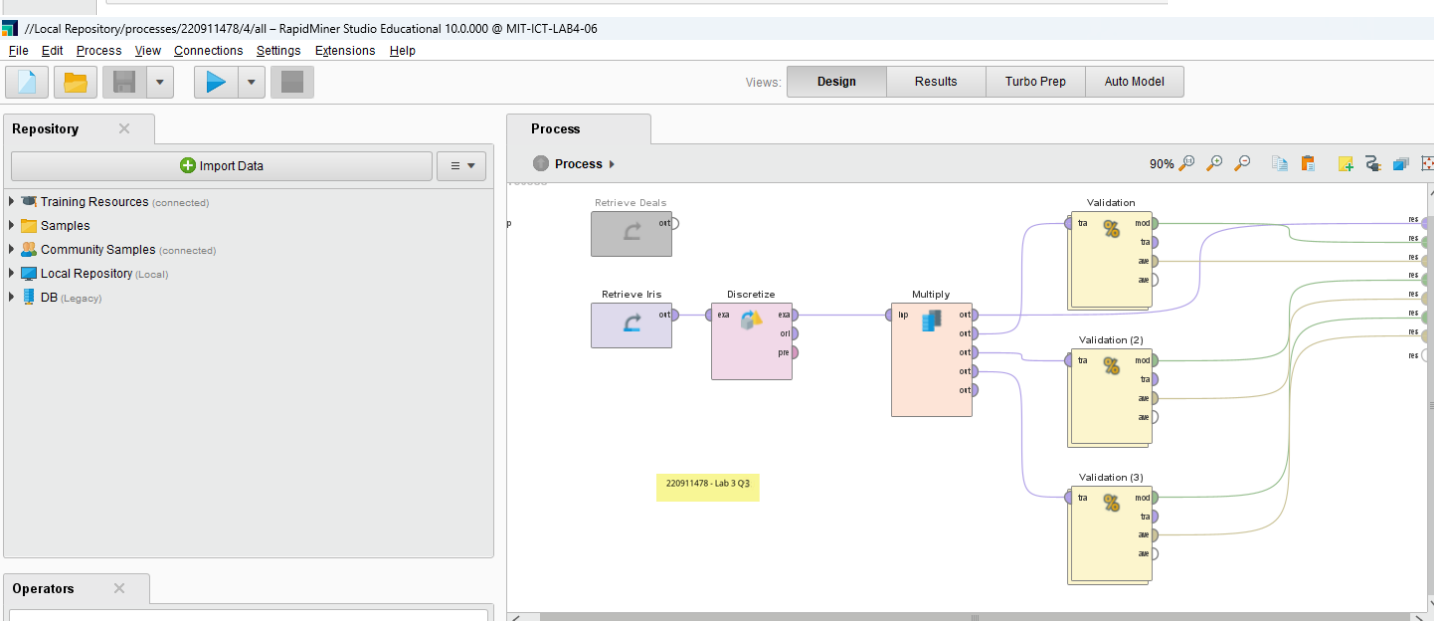
File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Tree (Decision Tree) PerformanceVector (Performance) Tree (ID3) ExampleSet (Multiply)

Result History PerformanceVector (Performance (3)) KNNClassification (k-NN) PerformanceVector (Performance (2))

Name	Type	Missing	Statistics	Filter (6 / 6 attributes): Search for Attributes
id	Nominal	0	Least id_99 (1) Most id_1 (1)	Values id_1 (1), id_10 (1), ...[148 more]
label	Nominal	0	Least Iris-virginica (50) Most Iris-setosa (50)	Values Iris-setosa (50), Iris-versicolor (50), ...[1 more]
a1	Nominal	0	Least range3 [6.350 - ∞) (42) Most range2 [...] 350] (56)	Values range2 [5.450 - 6.350] (56), range1 [-∞ - 5.450] (52), ...
a2	Nominal	0	Least range3 [3.250 - ∞) (42) Most range1 [-∞ - 2.950] (57)	Values range1 [-∞ - 2.950] (57), range2 [2.950 - 3.250] (51), ...
a3	Nominal	0	Least range3 [4.950 - ∞) (46) Most range2 [...] 950] (54)	Values range2 [2.450 - 4.950] (54), range1 [-∞ - 2.450] (50), ...
a4	Nominal	0	Least range3 [1.650 - ∞) (48) Most range2 [...] 650] (52)	Values range2 [0.800 - 1.650] (52), range1 [-∞ - 0.800] (50), ...



//Local Repository/processes/220911478/4/all - RapidMiner Studio Educational 10.0.000 @ MIT-ICT-LAB4-06

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Tree (Decision Tree) PerformanceVector (Performance) Tree (ID3) ExampleSet (Multiply)

Result History PerformanceVector (Performance (3)) KNNClassification (k-NN) PerformanceVector (Performance (2))

Criterion: accuracy

Table View Plot View

accuracy: 95.56%

	true Iris-setosa	true Iris-versicolor	true Iris-virginica	class precision
pred. Iris-setosa	15	0	0	100.00%
pred. Iris-versicolor	0	14	1	93.33%
pred. Iris-virginica	0	1	14	93.33%
class recall	100.00%	93.33%	93.33%	

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Tree (Decision Tree) PerformanceVector (Performance) Tree (ID3) ExampleSet (Multiply)

Result History

Criterion accuracy

Performance

Description

Annotations

Table View Plot View

accuracy: 93.33%

	true Iris-setosa	true Iris-versicolor	true Iris-virginica	class precision
pred. Iris-setosa	15	0	0	100.00%
pred. Iris-versicolor	0	13	1	92.86%
pred. Iris-virginica	0	2	14	87.50%
class recall	100.00%	86.67%	93.33%	

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Tree (Decision Tree) PerformanceVector (Performance) Tree (ID3) ExampleSet (Multiply)

Result History

Criterion accuracy

Performance

Description

Annotations

Table View Plot View

accuracy: 91.11%

	true Iris-setosa	true Iris-versicolor	true Iris-virginica	class precision
pred. Iris-setosa	15	0	0	100.00%
pred. Iris-versicolor	0	15	4	78.95%
pred. Iris-virginica	0	0	11	100.00%
class recall	100.00%	100.00%	73.33%	

C:\Users\udaip\Desktop\220911674\_DM\_LAB\LAB3\q3.rmp - Altair AI Studio Educational 2025.0.0 @ LAPTOP-BSVOC236

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Interactive Analysis

Repository

- Training Resources (connected)
- Samples
- Community Samples (connected)
- Local Repository (Local)
- DB (Legacy)

Process

Process

Retrieve AMZN\_KO... Select Attributes Correlation Matrix

res res