

Data-Integration Web-Tool

Praxisphase at Institute of Computer and Communication Technology (ICCT): Big Data Analytics

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Technology
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Correlation of Collaborative Scoping

6.2 Linkability assignments correlation

```
1 col_agree=["OC-ORACLE_agree","OC-MYSQL_agree","OC-SAP_agree","FORMULA_agree"]
```

✓ 0.0s

```
1 df_collaborative_scoping_correlation = df_OC3FO_collaborative_scoping[df_OC3FO_collaborative_scoping.v==70][col_agree].corr()  
2 df_collaborative_scoping_correlation
```

✓ 0.0s

	OC-ORACLE_agree	OC-MYSQL_agree	OC-SAP_agree	FORMULA_agree
OC-ORACLE_agree	1.000000	0.473651	0.506075	-0.692098
OC-MYSQL_agree	0.473651	1.000000	0.463496	-0.723518
OC-SAP_agree	0.506075	0.463496	1.000000	-0.455537
FORMULA_agree	-0.692098	-0.723518	-0.455537	1.000000

Cont.

```
1 for v in [40, 50, 60, 70, 80, 90, 95][::-1]:
2     print("v:" + str(v))
3     print(df_OC3FO_collaborative_scoping[df_OC3FO_collaborative_scoping.v==v][col_agree].corr())
4     print("=====")
```

✓ 0.0s

```
=====
v:90
      OC-ORACLE_agree  OC-MYSQL_agree  OC-SAP_agree  FORMULA_agree
OC-ORACLE_agree      1.000000      -0.127425      0.058519     -0.459603
OC-MYSQL_agree      -0.127425      1.000000      -0.052380     -0.516686
OC-SAP_agree         0.058519      -0.052380      1.000000     -0.401404
FORMULA_agree       -0.459603     -0.516686     -0.401404      1.000000
=====
```

```
v:80
      OC-ORACLE_agree  OC-MYSQL_agree  OC-SAP_agree  FORMULA_agree
OC-ORACLE_agree      1.000000      0.042951      0.186727     -0.492952
OC-MYSQL_agree      0.042951      1.000000      0.219939     -0.602789
OC-SAP_agree        0.186727      0.219939      1.000000     -0.430735
FORMULA_agree       -0.492952     -0.602789     -0.430735      1.000000
=====
```

```
v:70
      OC-ORACLE_agree  OC-MYSQL_agree  OC-SAP_agree  FORMULA_agree
OC-ORACLE_agree      1.000000      0.473651      0.506075     -0.692098
OC-MYSQL_agree      0.473651      1.000000      0.463496     -0.723518
OC-SAP_agree        0.506075      0.463496      1.000000     -0.455537
FORMULA_agree       -0.692098     -0.723518     -0.455537      1.000000
=====
```

```
v:60
      OC-ORACLE_agree  OC-MYSQL_agree  OC-SAP_agree  FORMULA_agree
OC-ORACLE_agree      1.000000      0.414410      0.441640     -0.195633
OC-MYSQL_agree      0.414410      1.000000      0.833761     -0.024336
OC-SAP_agree        0.441640      0.833761      1.000000      0.148282
FORMULA_agree       -0.195633     -0.024336      0.148282      1.000000
=====
```

As list

```
1 df_collaborative_scoping_correlation_list = df_collaborative_scoping_correlation.stack().reset_index()
2 df_collaborative_scoping_correlation_list=df_collaborative_scoping_correlation_list[df_collaborative_scoping_correlation_list.iloc[:,0].ne(
3 | df_collaborative_scoping_correlation_list.iloc[:,1])].values.tolist()
4 df_collaborative_scoping_correlation_list
```

✓ 0.0s

Python

```
[['OC-ORACLE_agree', 'OC-MYSQL_agree', 0.47365126847792993],
 ['OC-ORACLE_agree', 'OC-SAP_agree', 0.506074873567971],
 ['OC-ORACLE_agree', 'FORMULA_agree', -0.6920975916201229],
 ['OC-MYSQL_agree', 'OC-ORACLE_agree', 0.47365126847792993],
 ['OC-MYSQL_agree', 'OC-SAP_agree', 0.4634960776629523],
 ['OC-MYSQL_agree', 'FORMULA_agree', -0.7235184884393898],
 ['OC-SAP_agree', 'OC-ORACLE_agree', 0.506074873567971],
 ['OC-SAP_agree', 'OC-MYSQL_agree', 0.4634960776629523],
 ['OC-SAP_agree', 'FORMULA_agree', -0.45553683371149206],
 ['FORMULA_agree', 'OC-ORACLE_agree', -0.6920975916201229],
 ['FORMULA_agree', 'OC-MYSQL_agree', -0.7235184884393898],
 ['FORMULA_agree', 'OC-SAP_agree', -0.45553683371149206]]
```