In [13]:
```
import pandas as pd

df = pd.read_excel ("Ant19_Standardized_NoOutliers.xlsx")
```

In [14]:
```
nunique = df.nunique()
cols_to_drop = nunique[nunique == 1].index
df=df.drop(cols_to_drop, axis=1)
df
```

Out[14]:

	COMP	LOC	WMC	DIT	NO
0	org.apache.tools.ant.util.regexp.JakartaRegexp...	-0.455390	-0.644382	-0.660476	-0.14192
1	org.apache.tools.ant.taskdefs.GUnzip.java	-0.403774	-0.569526	-0.660476	-0.14192
2	org.apache.tools.ant.taskdefs.condition.Equals...	-0.201800	-0.045537	0.654215	-0.14192
3	org.apache.tools.ant.taskdefs.optional.ccm.CCM...	-0.628190	-0.794093	-0.660476	-0.14192
4	org.apache.tools.ant.listener.Log4jListener.java	-0.107546	-0.270104	0.654215	-0.14192
...	...	...	...	...	.
719	org.apache.tools.ant.taskdefs.launcher.Command...	-0.098569	-0.120393	0.654215	0.25546
720	org.apache.tools.zip.Zip64ExtendedInformationE...	0.321088	0.703019	0.654215	-0.14192
721	org.apache.tools.tar.TarUtils.java	1.196309	0.628163	0.654215	-0.14192
722	org.apache.tools.ant.taskdefs.Execute.java	1.707976	1.526430	0.654215	-0.14192
723	org.apache.tools.zip.ZipFile.java	1.656361	1.227008	0.654215	-0.14192

724 rows × 20 columns

In [15]:
```
df.to_excel('Ant19Data.xlsx', index=False)
```

In [ ]:

In [ ]: