

TP2 - Qualité de conception, refactoring

remise : 5 octobre 23h59

Ptidej

Calcul des métriques de qualité : Onglet Metrics

Onglet metrics

The screenshot shows the Ptidej v5.8.2 interface. The main window displays a class diagram with the following classes: AxisCollection, AxisLabelLocation, AxisLocation, AxisSpace, AxisState, CategoryAnchor, CategoryLabelPosition, Axis, CategoryAxis, and CategoryAxis3D. A red arrow points to the 'Metrics' tab in the right-hand pane. Below the diagram, a table displays the results of the quality analysis for various classes.

Class	Value
XMLElementAnnotation	20.0
XMLAnnotation	10.0
XMLParentAnnotation	50.0
XMLParentAnnotation	30.0
XMLParentAnnotation	10.0
XMLAnnotation	70.0
XMLAnnotation	45.0
Axis	140.0
AxisCollection	12.0
AxisLabelLocation	35.0
AxisLocation	44.0
AxisSpace	35.0
AxisState	9.0
CategoryAnchor	23.0
CategoryAxis	71.0
CategoryAxis3D	3.0
CategoryLabelPosition	35.0
CategoryLabelPosition	5.0
CategoryLabelPosition	17.0
CategoryTick	20.0
ColorBar	38.0
CompassFormat	0.0
CyclicNumberAxis	35.0
DateAxis	65.0
DateTick	7.0

Résultats de l'analyse

Eclipse metrics plugin 3

Installation :

help > install new software >

<https://github.com/qxo/eclipse-metrics-plugin/raw/master/updatesite/>

> décocher “group item by category”

Utilisation :

windows > show view > other > metrics > metric view

right click on project > properties > metrics > enable metrics

Build project

Stan

Installation :

help > install new software > <http://update.stan4j.com/ide>

Utilisation :

right click > Run as > structure analysis

Voir le rapport :



Dans la vue STAN > windows > show view > report

Jdeodorant (refactoring)

Installation :

help > install new software > <https://users.encs.concordia.ca/~nikolaos/update/>

Utilisation :

Bad smells > select smell > click on  to launch analysis > click on  to apply refactoring

