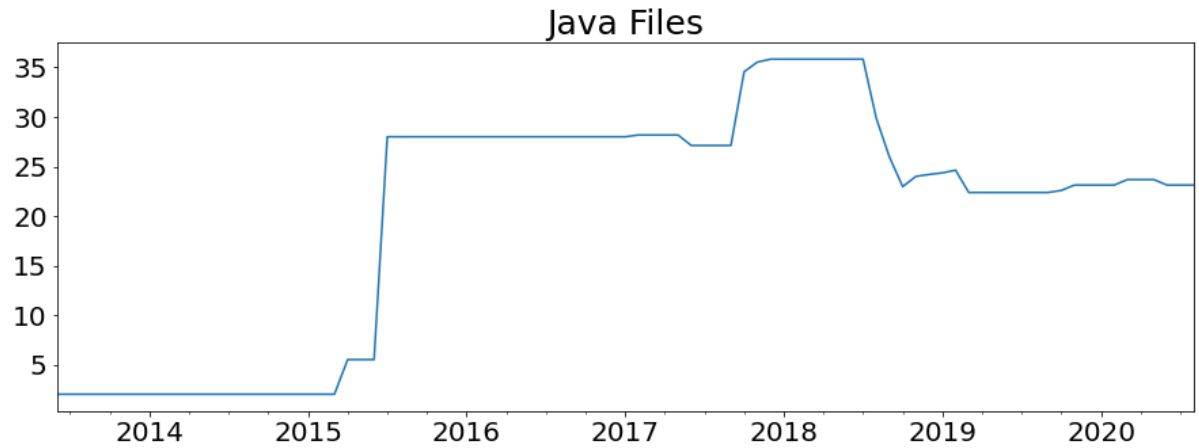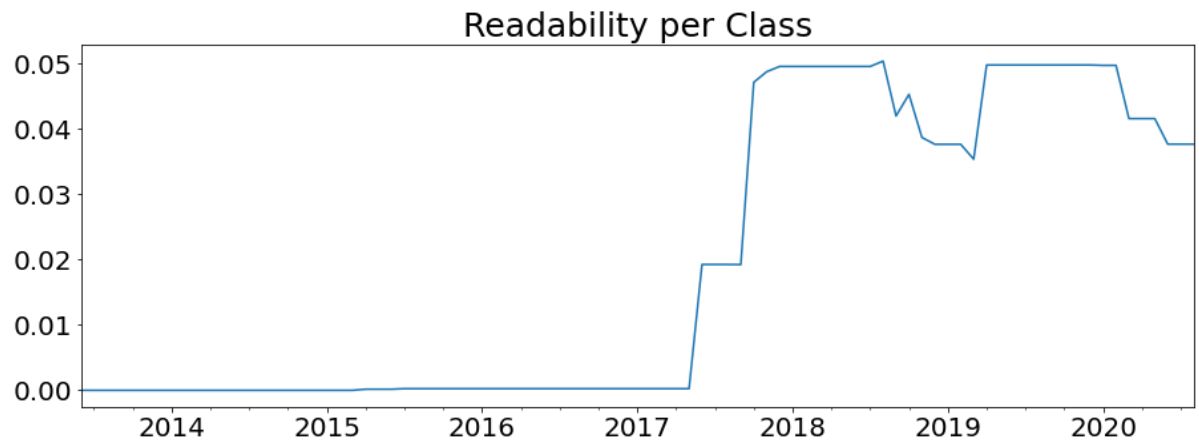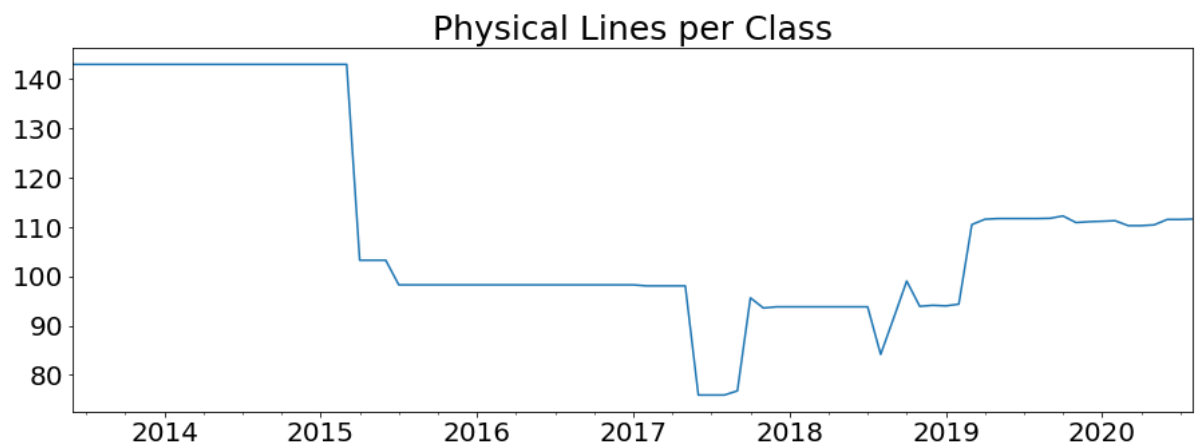In [307]:
```
plot(allMetricsAndQuestions["numberJavaFiles"], "Java Files", "Java Files", ""
, "")
```


Java Files

In [308]:
```
plot(allMetricsAndQuestions["readability"], "Readability per Class", "", "",
"")
```
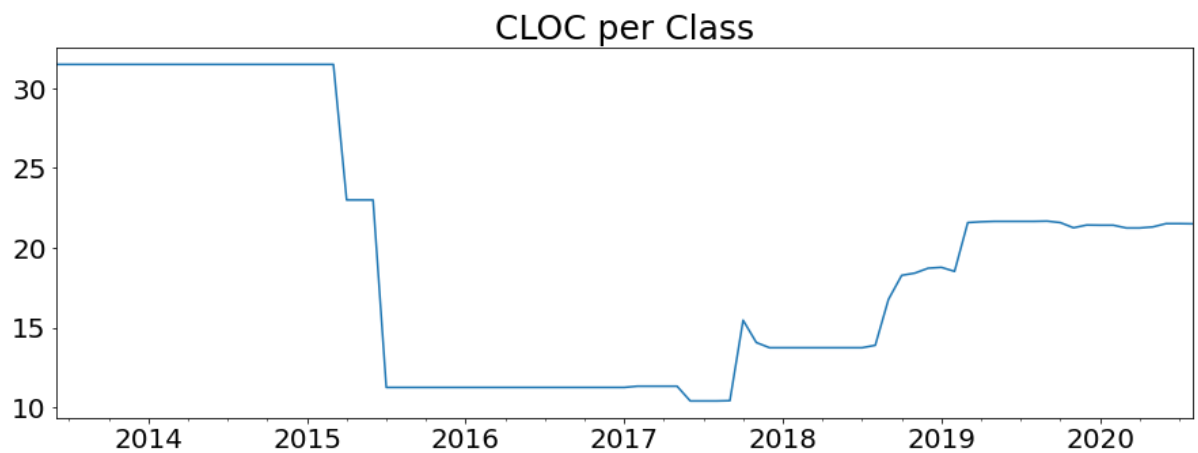

Readability per Class

In [309]:
```
plot(allMetricsAndQuestions["CountLine"], "Physical Lines per Class", "", "",
"")
```
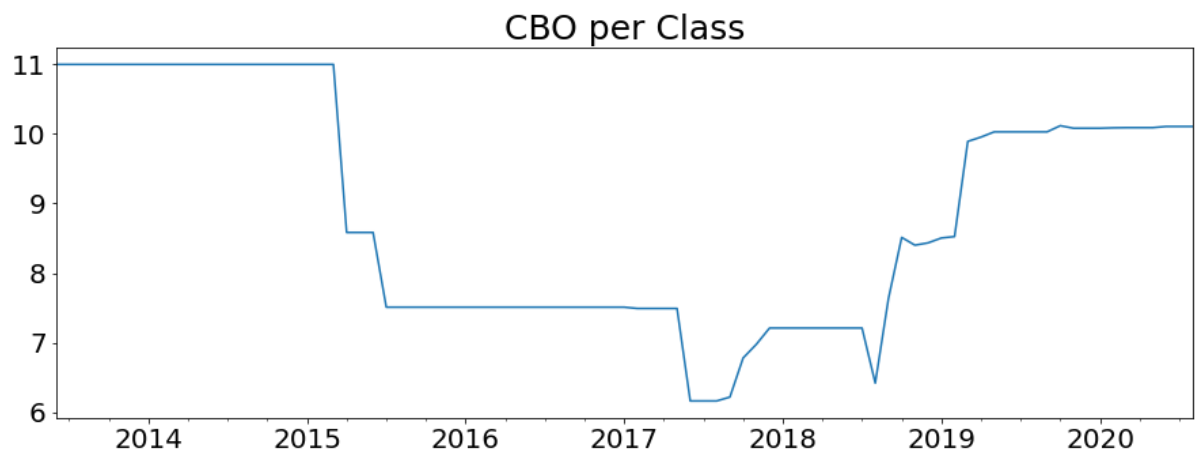

Physical Lines per Class

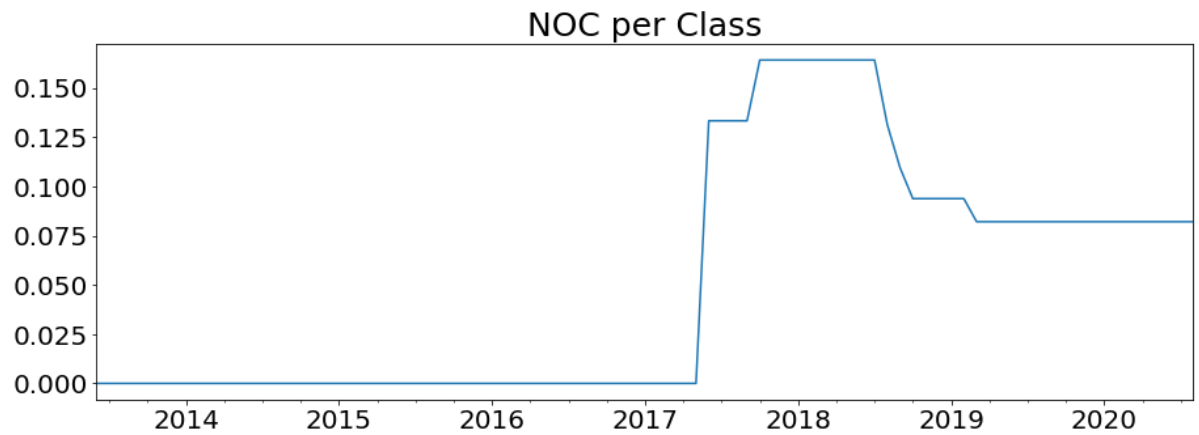In [310]: `plot(allMetricsAndQuestions["CountLineCode"], "LOC per Class", "LOC per Class", "", "")`
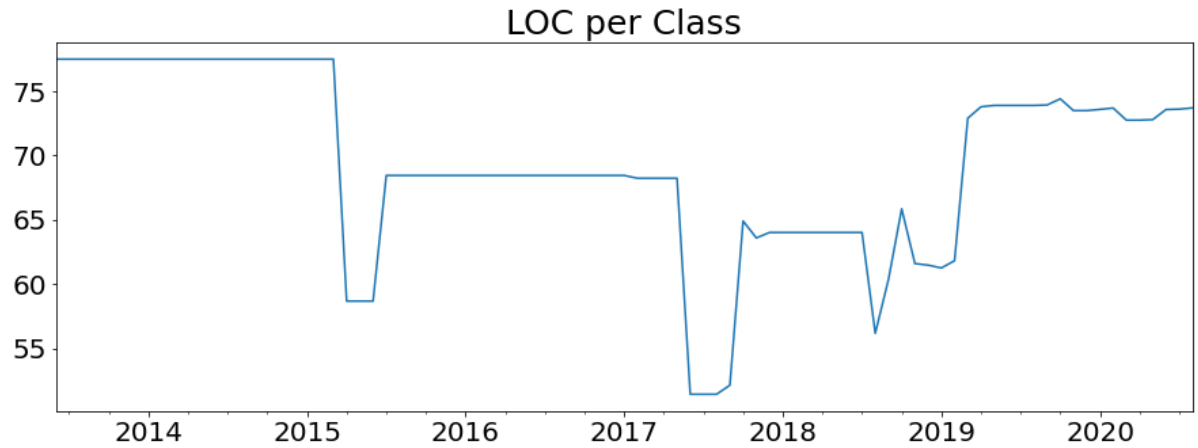
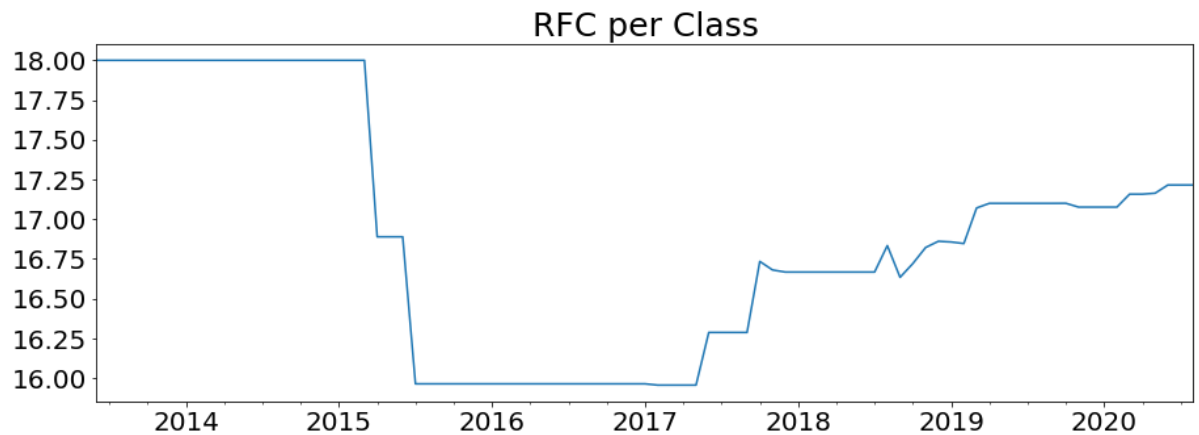In [311]: `plot(allMetricsAndQuestions["CountLineComment"], "CLOC per Class", "", "", "")`

In [312]: `plot(allMetricsAndQuestions["CountClassCoupled"], "CBO per Class", "", "", "")`
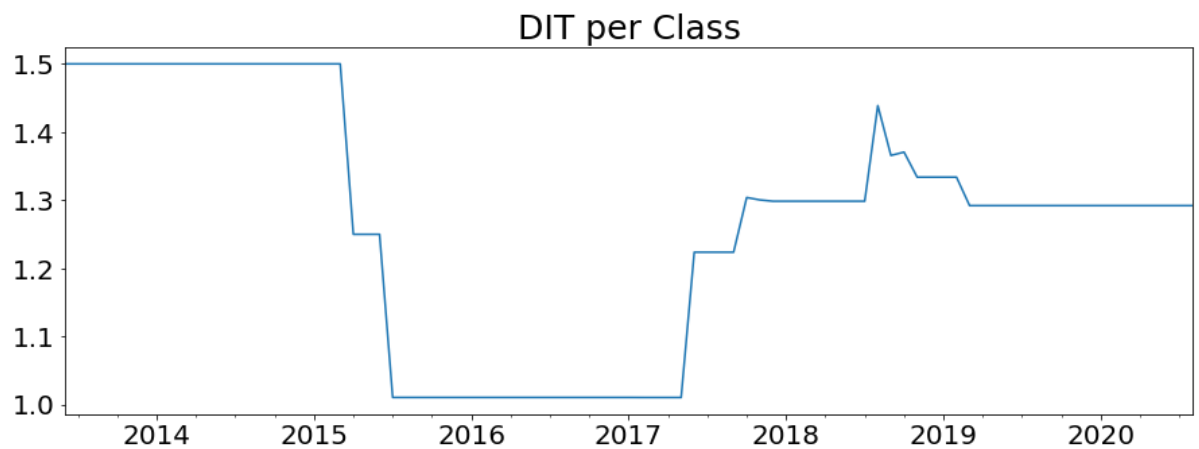
In [313]: `plot(allMetricsAndQuestions["CountClassDerived"], "NOC per Class", "", "", "")`

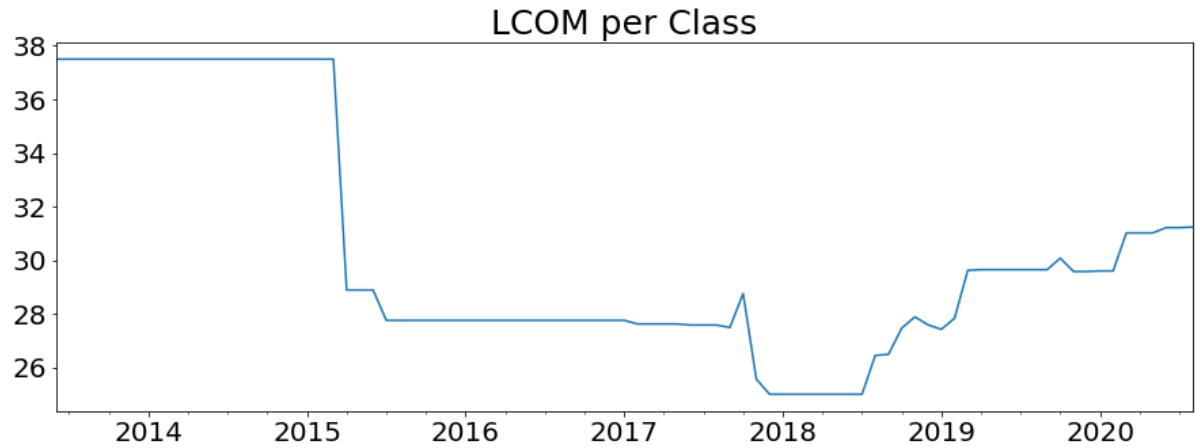### NOC per Class

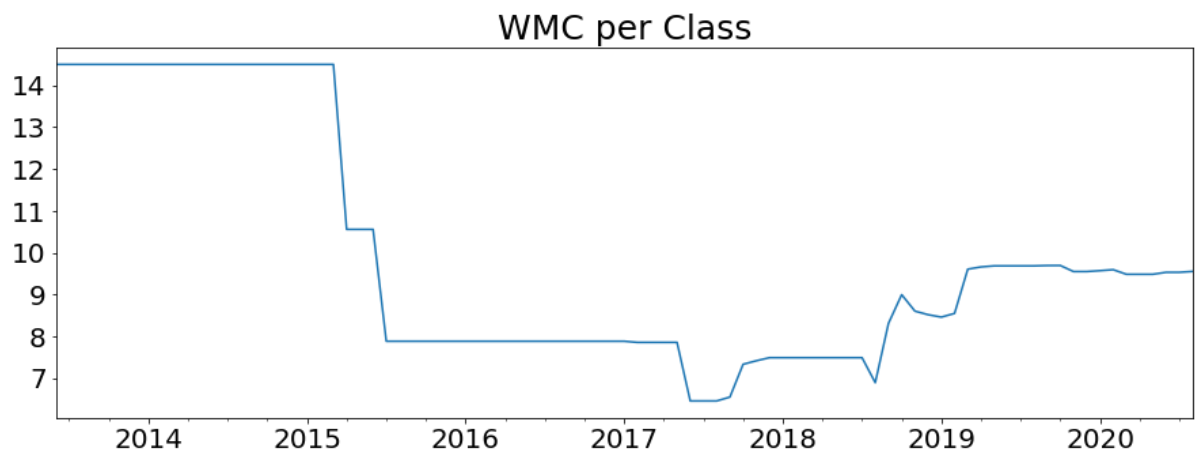In [314]: `plot(allMetricsAndQuestions["CountDeclMethodAll"], "RFC per Class", "", "", "")`

RFC per Class

In [315]: `plot(allMetricsAndQuestions["MaxInheritanceTree"], "DIT per Class", "", "", "")`
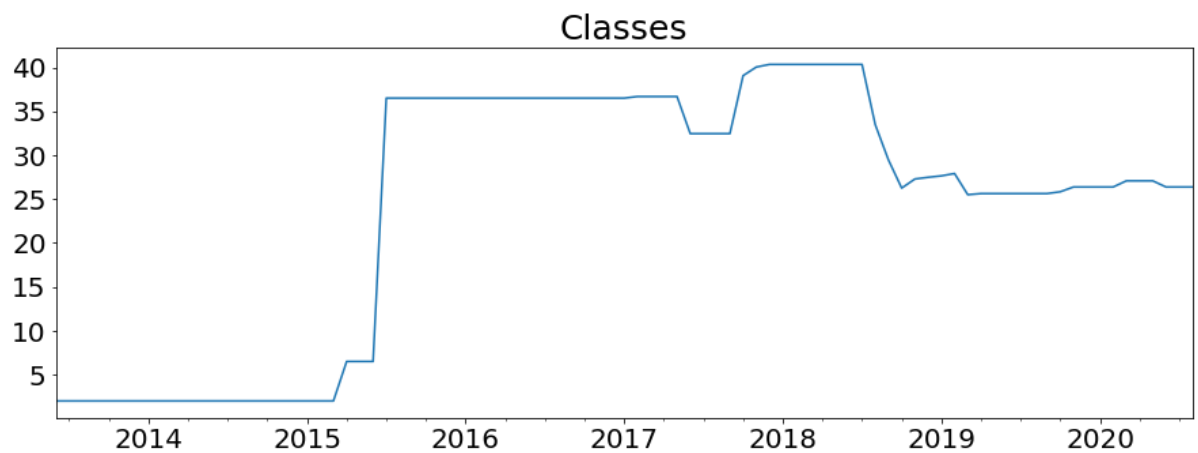
DIT per Class

In [316]:
```
plot(allMetricsAndQuestions["PercentLackOfCohesion"], "LCOM per Class", "", ""
, "")
```


LCOM per Class

In [317]:
```
plot(allMetricsAndQuestions["SumCyclomatic"], "WMC per Class", "", "", "")
```
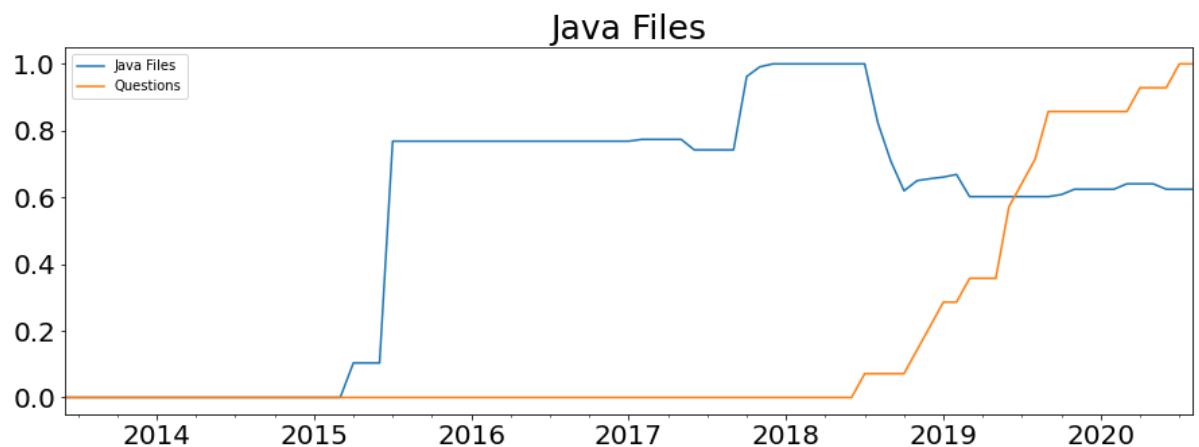

WMC per Class

In [318]:
```
plot(allMetricsAndQuestions["CountDeclClass"], "Classes", "", "", "")
```
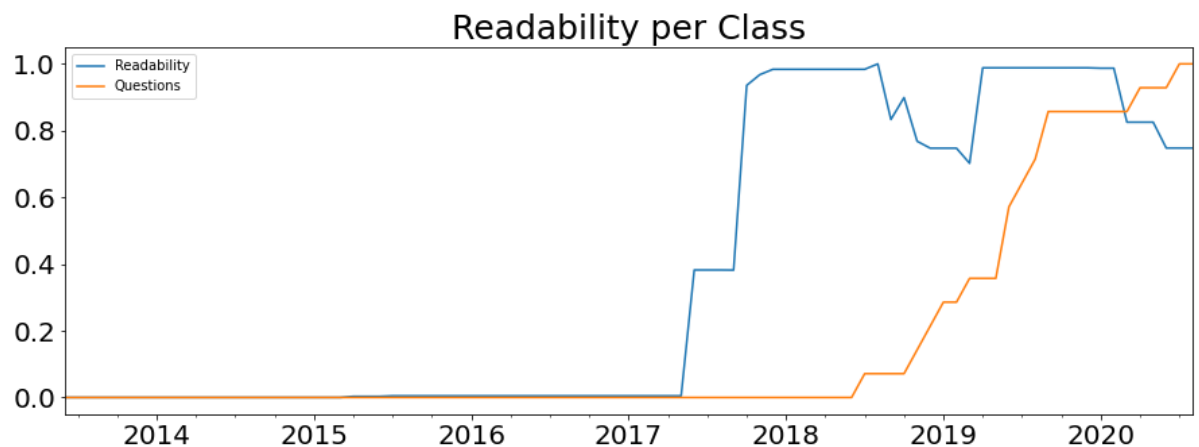

Classes

Plotting metrics and questions

```
In [319]: def plot(metrics, questions, metric, title, ylabel, xlabel):
              subplot = metrics.plot(figsize=(15,5), fontsize=20, legend=True, label=met
          ric)
              subplot = questions.plot(figsize=(15,5), fontsize=20, legend=True, label=
          "Questions")
              subplot.set_title(title, fontsize=25)
              subplot.set_ylabel(ylabel, fontsize=20)
              subplot.set_xlabel(xlabel, fontsize=20)
          #       subplot.figure.savefig(metric+".pdf",bbox_inches = 'tight')
```
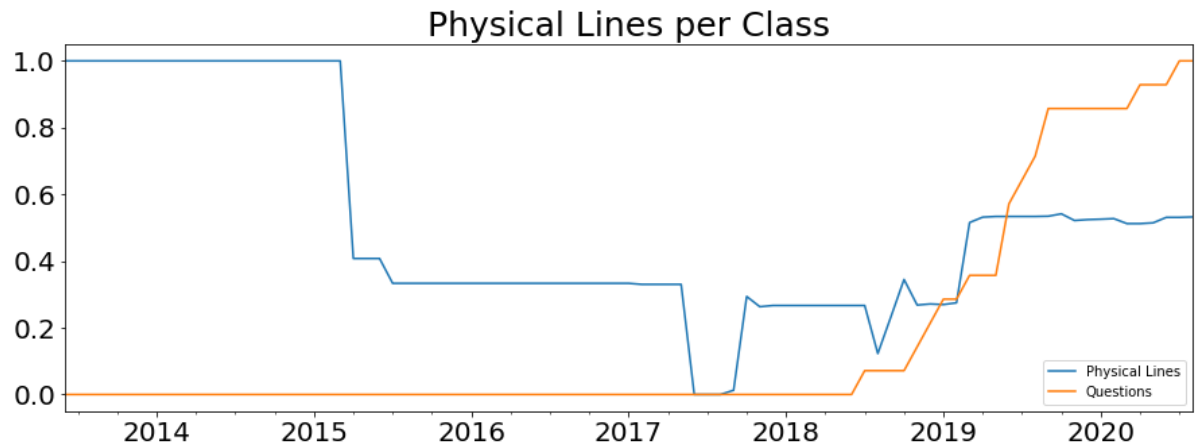
```
In [320]: plot(AllMetricsAndQuestionsNormalized["numberJavaFiles"], AllMetricsAndQuestio
          nsNormalized["questions"], "Java Files", "Java Files", "", "")
```
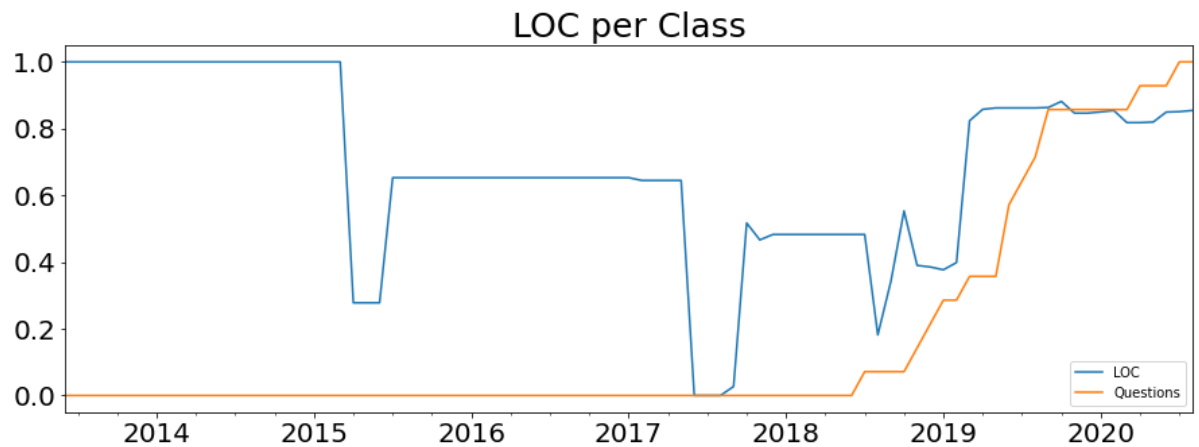


```
In [321]: plot(AllMetricsAndQuestionsNormalized["readability"], AllMetricsAndQuestionsNo
          rmalized["questions"], "Readability", "Readability per Class", "", "")
```
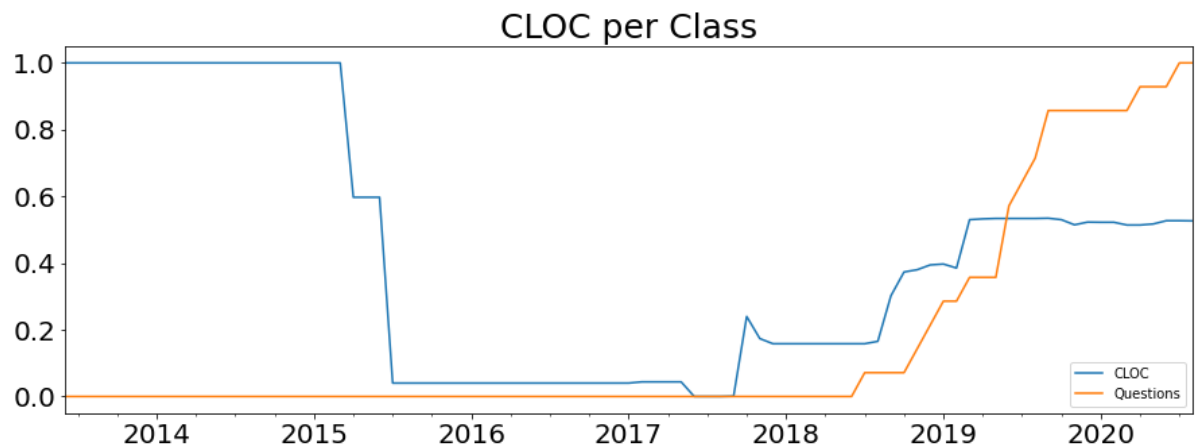
In [322]:
```
plot(AllMetricsAndQuestionsNormalized["CountLine"], AllMetricsAndQuestionsNorm
alized["questions"], "Physical Lines", "Physical Lines per Class", "", "")
```
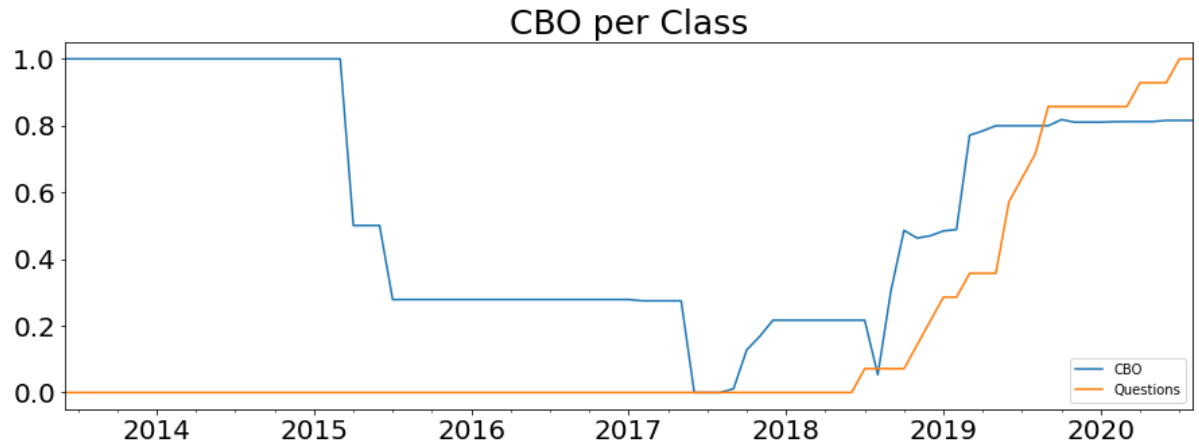

In [323]:
```
plot(AllMetricsAndQuestionsNormalized["CountLineCode"], AllMetricsAndQuestions
Normalized["questions"], "LOC", "LOC per Class", "", "")
```
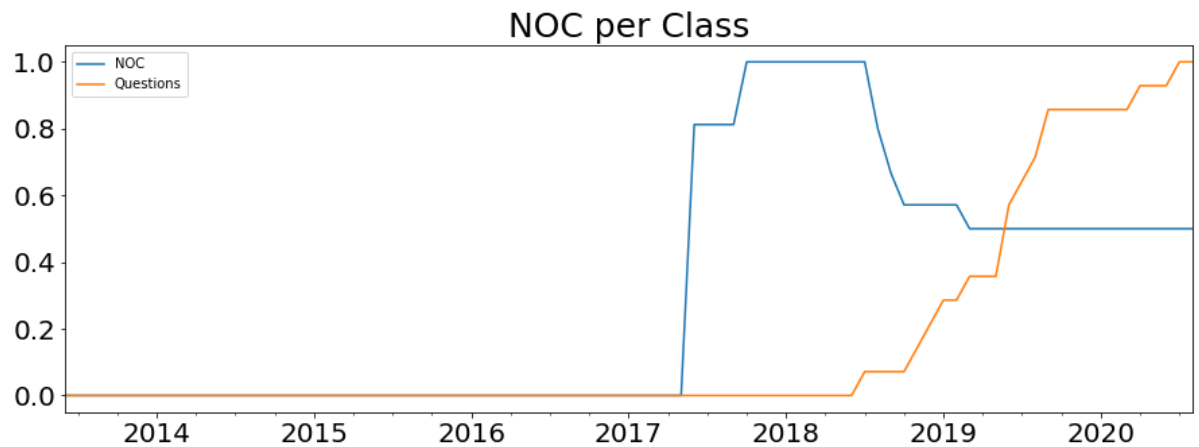

In [324]:
```
plot(AllMetricsAndQuestionsNormalized["CountLineComment"], AllMetricsAndQuesti
onsNormalized["questions"], "CLOC", "CLOC per Class", "", "")
```
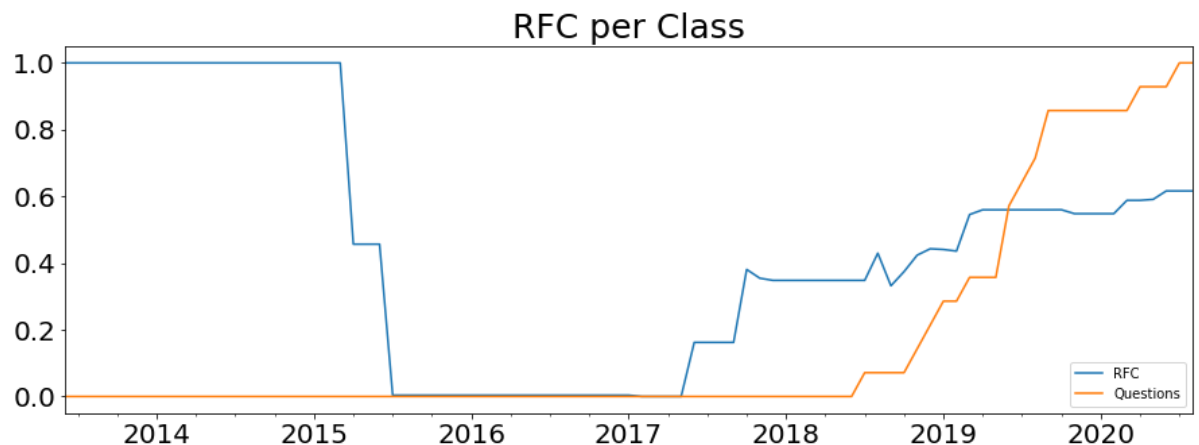
In [325]: `plot(AllMetricsAndQuestionsNormalized["CountClassCoupled"], AllMetricsAndQuestionsNormalized["questions"], "CBO", "CBO per Class", "", "")`
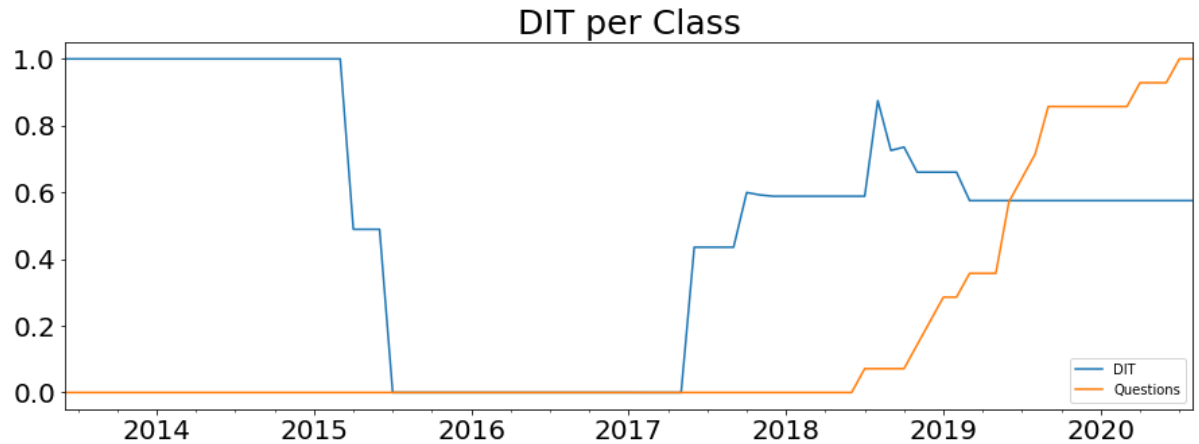

In [326]: `plot(AllMetricsAndQuestionsNormalized["CountClassDerived"], AllMetricsAndQuestionsNormalized["questions"], "NOC", "NOC per Class", "", "")`
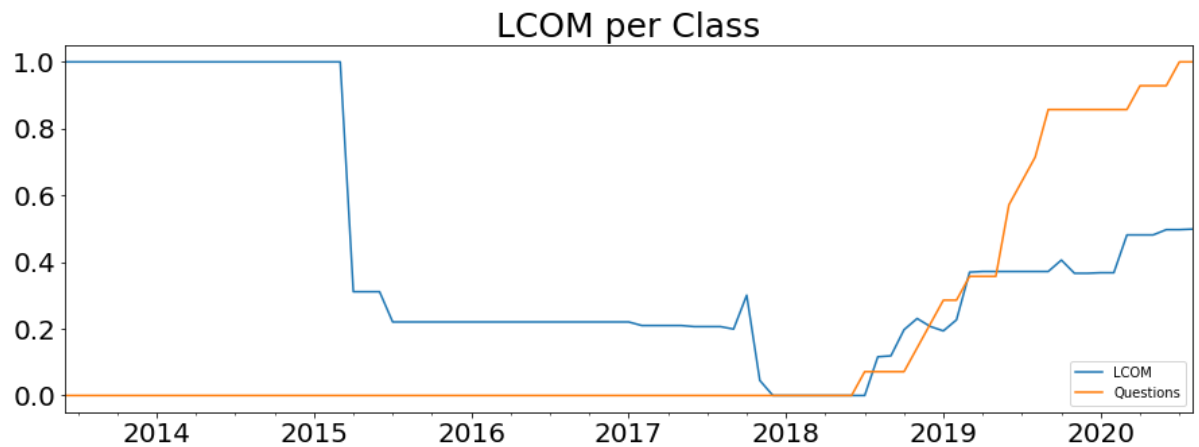

In [327]: `plot(AllMetricsAndQuestionsNormalized["CountDeclMethodAll"], AllMetricsAndQuestionsNormalized["questions"], "RFC", "RFC per Class", "", "")`
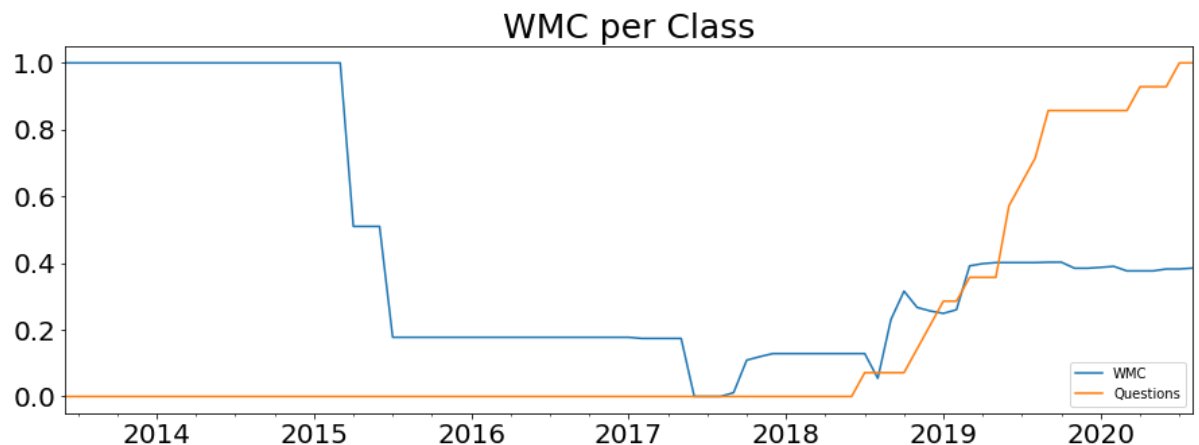
In [328]:
```
plot(AllMetricsAndQuestionsNormalized["MaxInheritanceTree"], AllMetricsAndQues
tionsNormalized["questions"], "DIT", "DIT per Class", "", "")
```


In [329]:
```
plot(AllMetricsAndQuestionsNormalized["PercentLackOfCohesion"], AllMetricsAndQ
uestionsNormalized["questions"], "LCOM", "LCOM per Class", "", "")
```


In [330]:
```
plot(AllMetricsAndQuestionsNormalized["SumCyclomatic"], AllMetricsAndQuestions
Normalized["questions"], "WMC", "WMC per Class", "", "")
```

In [331]: `plot(AllMetricsAndQuestionsNormalized["CountDeclClass"], AllMetricsAndQuestionsNormalized["questions"], "Classes", "Classes", "", "")`