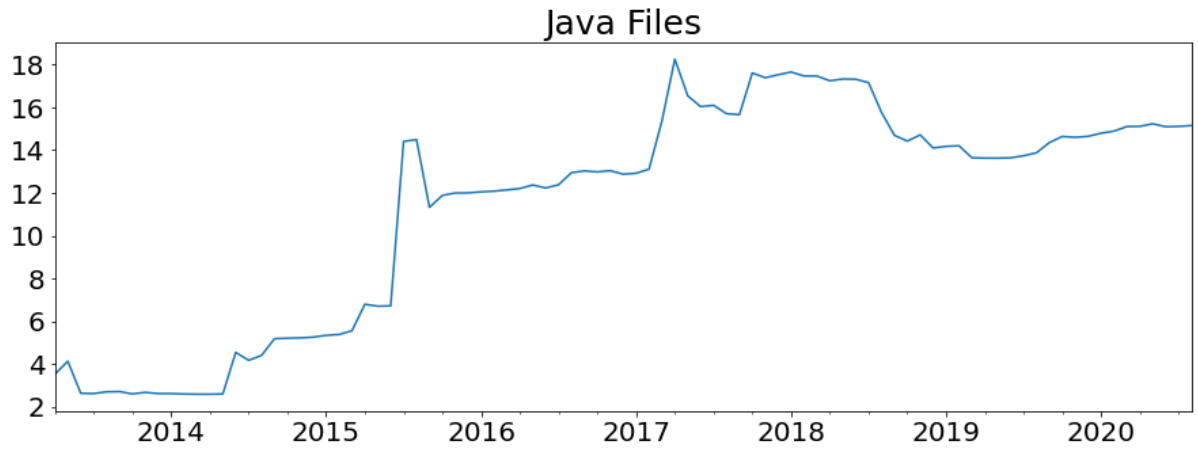
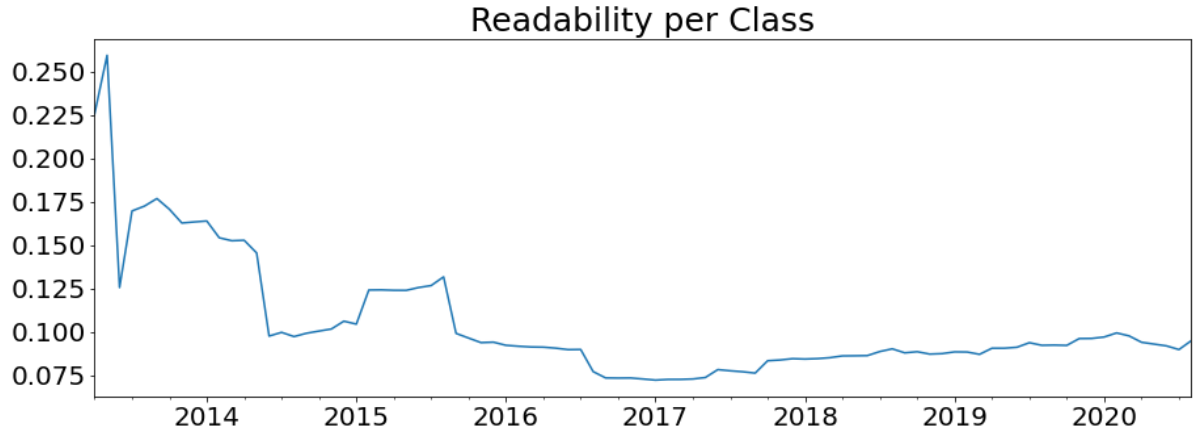
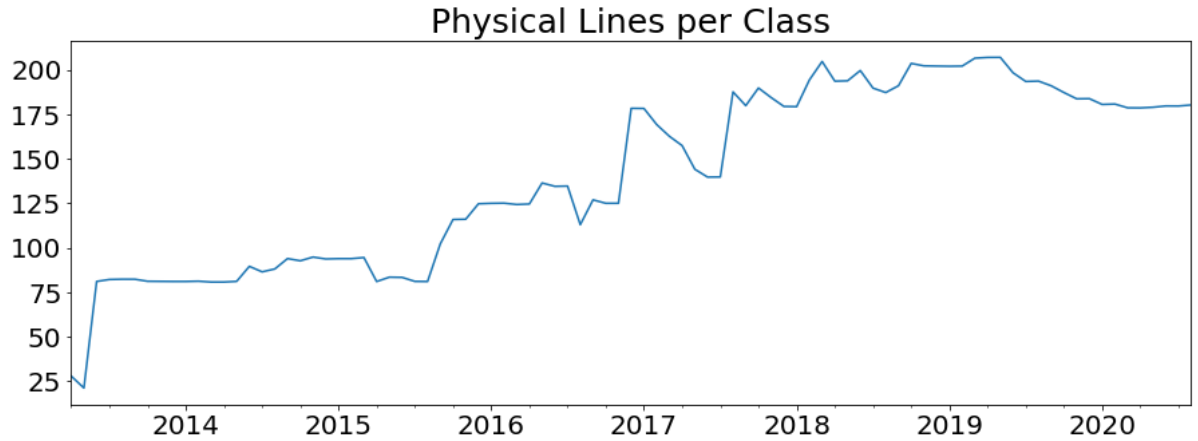
In [41]:
```
plot(allMetricsAndQuestions["numberJavaFiles"], "Java Files", "Java Files", ""
, "")
```



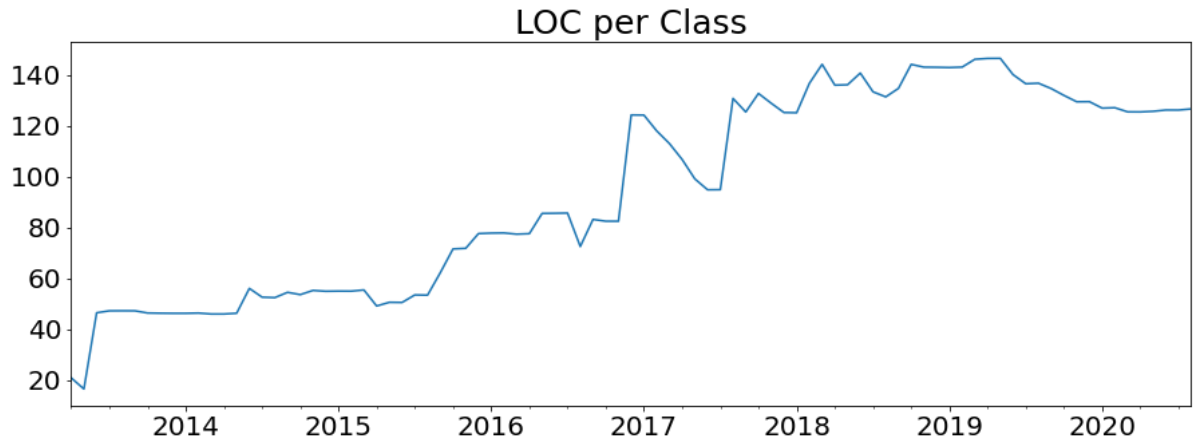
In [42]:
```
plot(allMetricsAndQuestions["readability"], "Readability per Class", "", "",
"")
```



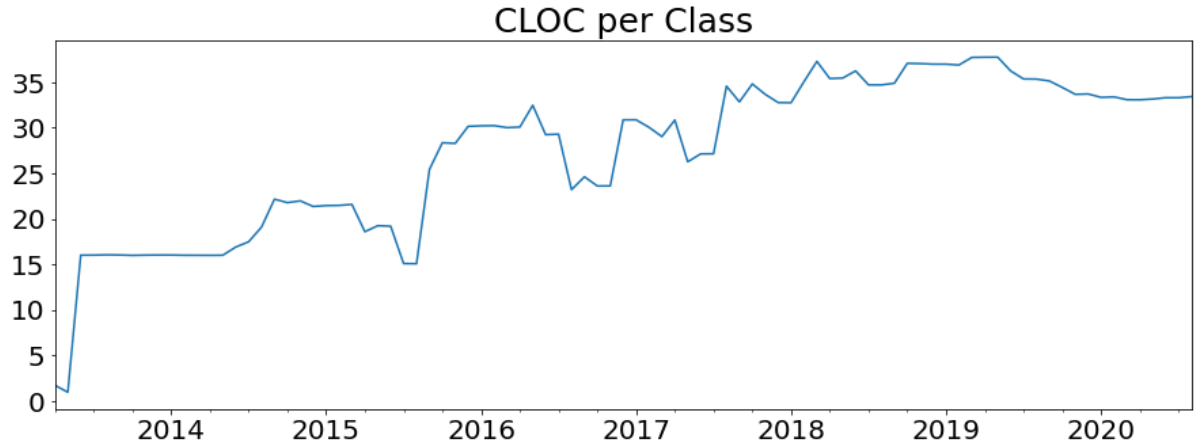
In [43]:
```
plot(allMetricsAndQuestions["CountLine"], "Physical Lines per Class", "", "",
"")
```



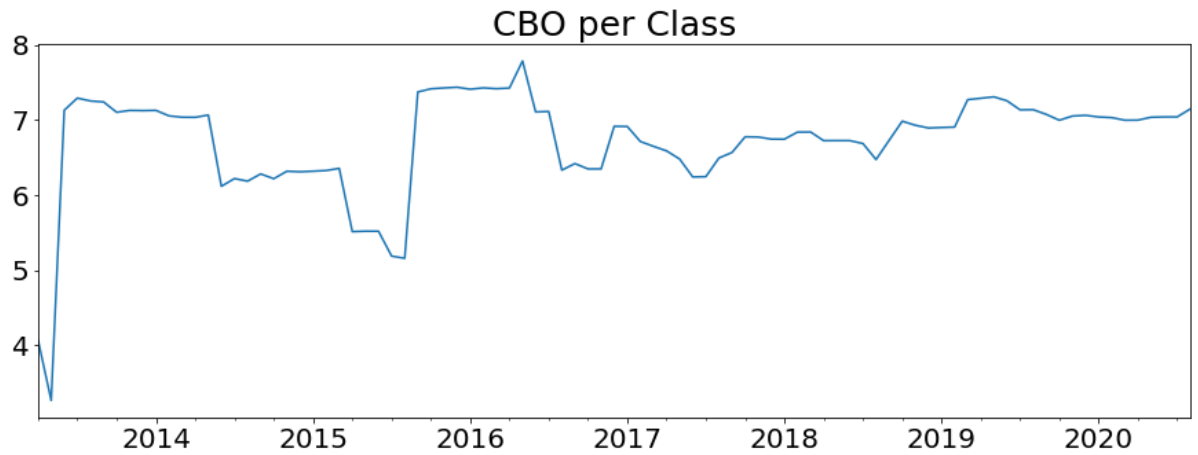
In [44]:
```
plot(allMetricsAndQuestions["CountLineCode"], "LOC per Class", "LOC per Class"
, "", "")
```



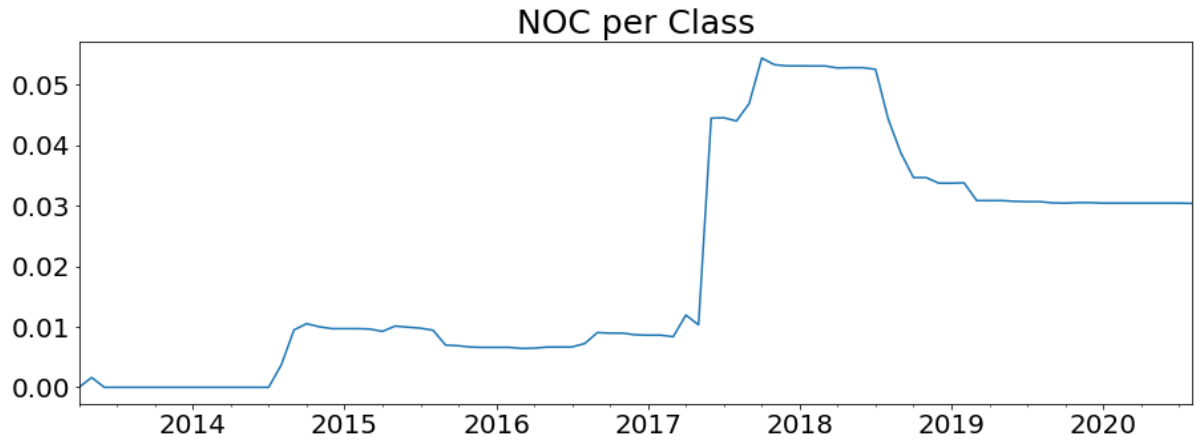
In [45]:
```
plot(allMetricsAndQuestions["CountLineComment"], "CLOC per Class", "", "", "")
```



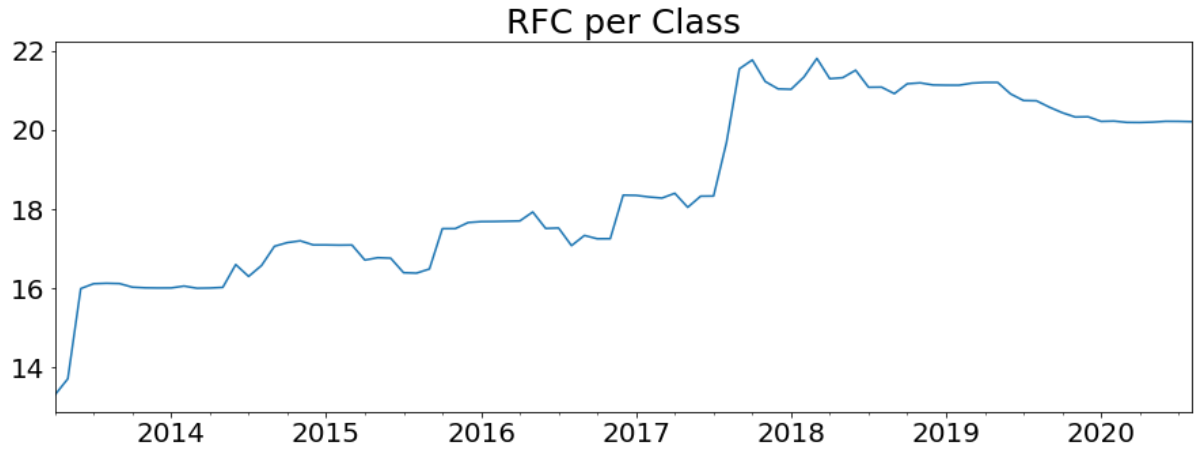
In [46]:
```
plot(allMetricsAndQuestions["CountClassCoupled"], "CBO per Class", "", "", "")
```



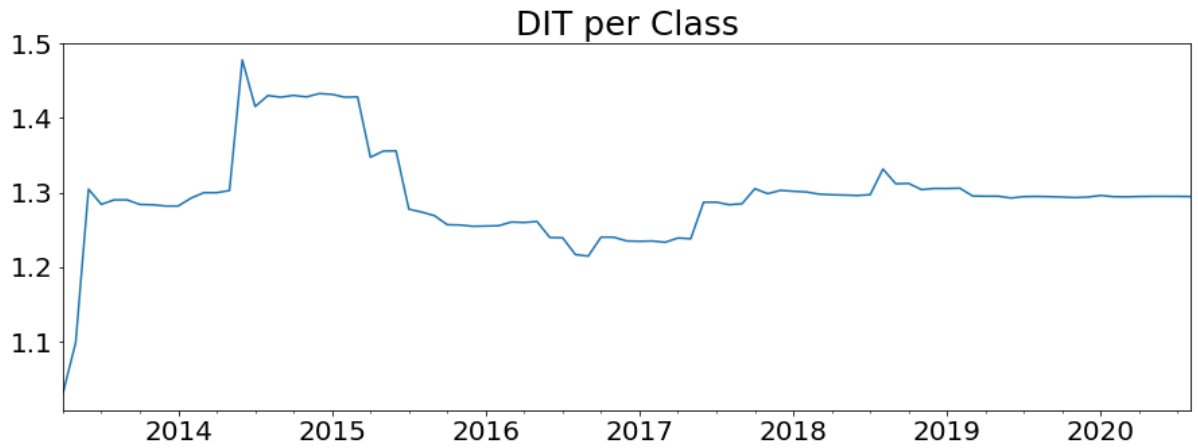
In [47]:
```
plot(allMetricsAndQuestions["CountClassDerived"], "NOC per Class", "", "", "")
```



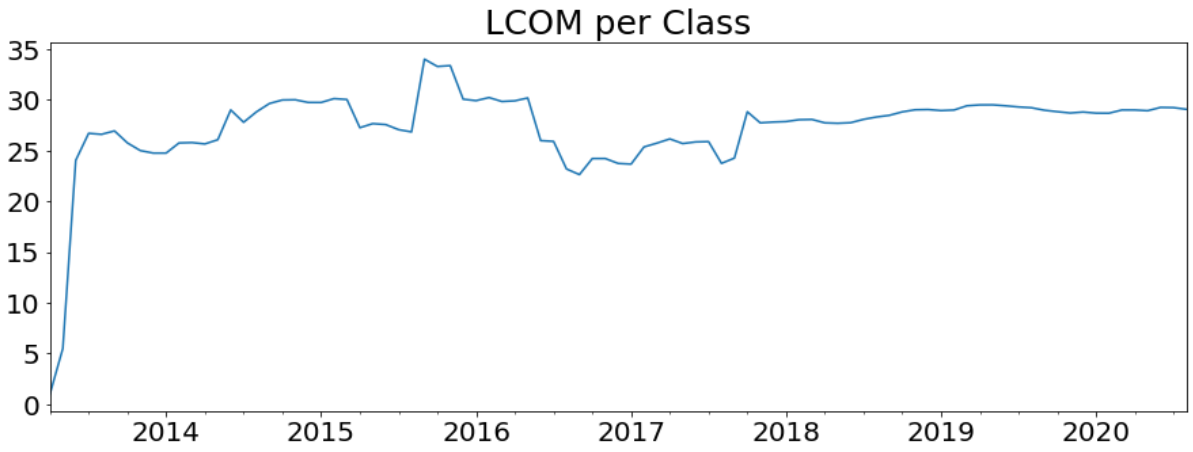
In [48]:
```
plot(allMetricsAndQuestions["CountDeclMethodAll"], "RFC per Class", "", "", ""
)
```



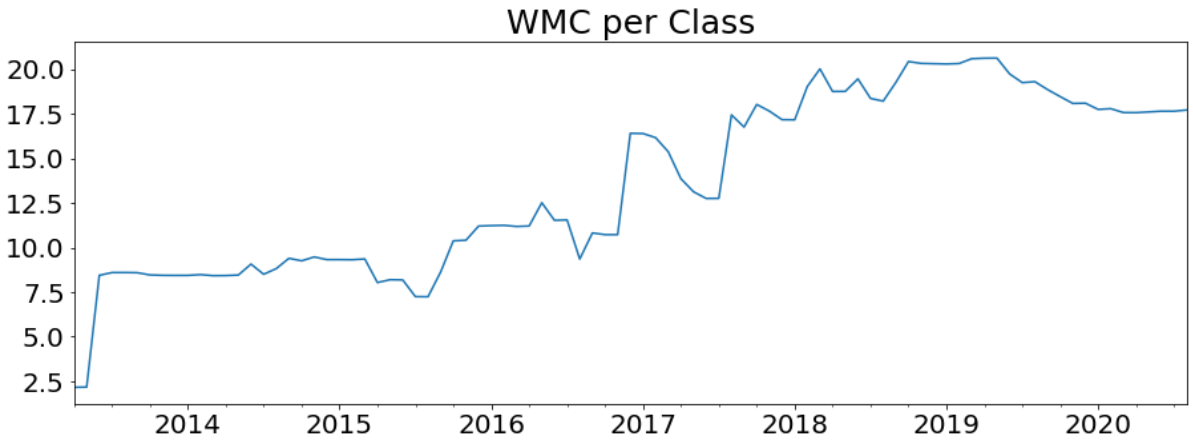
In [49]:
```
plot(allMetricsAndQuestions["MaxInheritanceTree"], "DIT per Class", "", "", ""
)
```



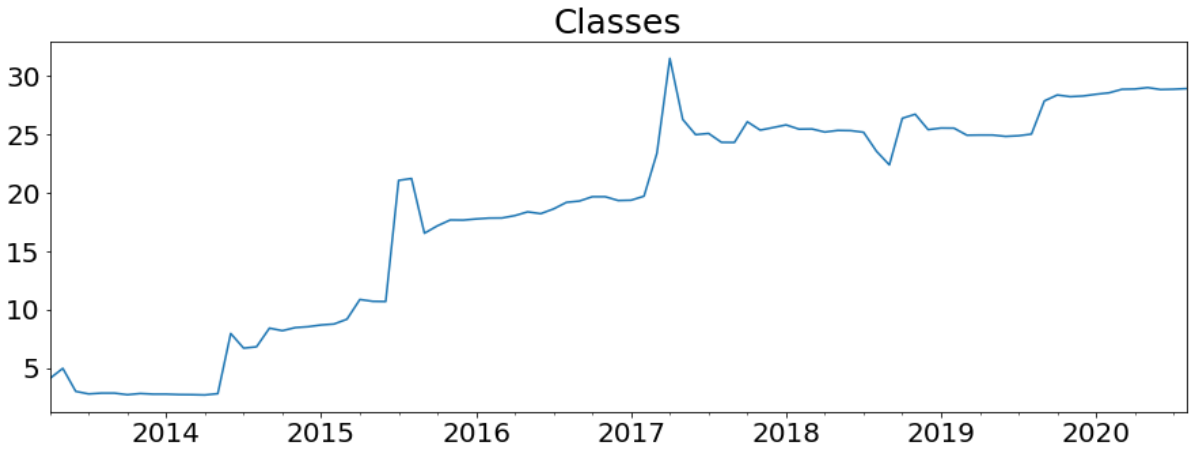
In [50]:
```
plot(allMetricsAndQuestions["PercentLackOfCohesion"], "LCOM per Class", "", ""
, "")
```



In [51]:
```
plot(allMetricsAndQuestions["SumCyclomatic"], "WMC per Class", "", "", "")
```



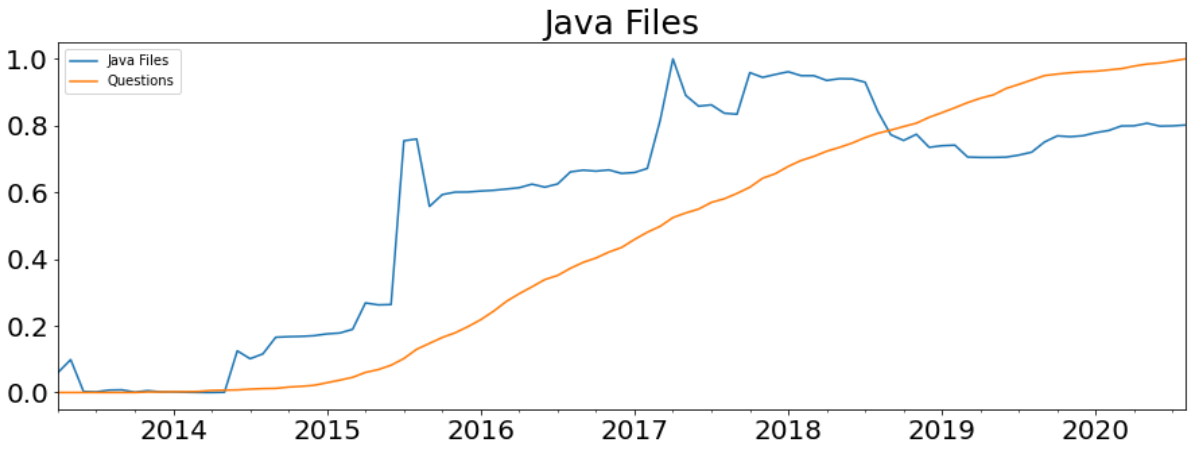
In [52]:
```
plot(allMetricsAndQuestions["CountDeclClass"], "Classes", "", "", "")
```



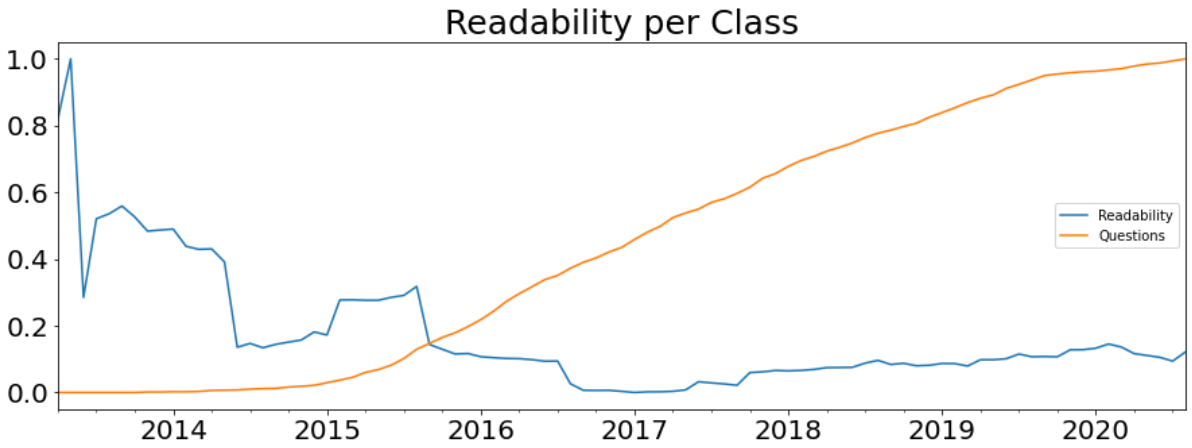
Plotting metrics and questions

In [53]:
```
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')
```

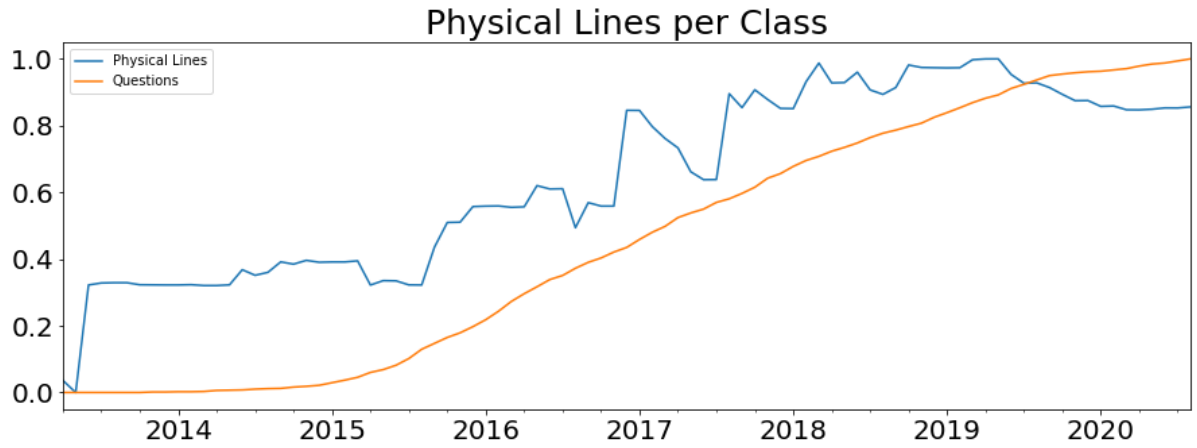
In [54]:
```
plot(AllMetricsAndQuestionsNormalized["numberJavaFiles"], AllMetricsAndQuestio
nsNormalized["questions"], "Java Files", "Java Files", "", "")
```



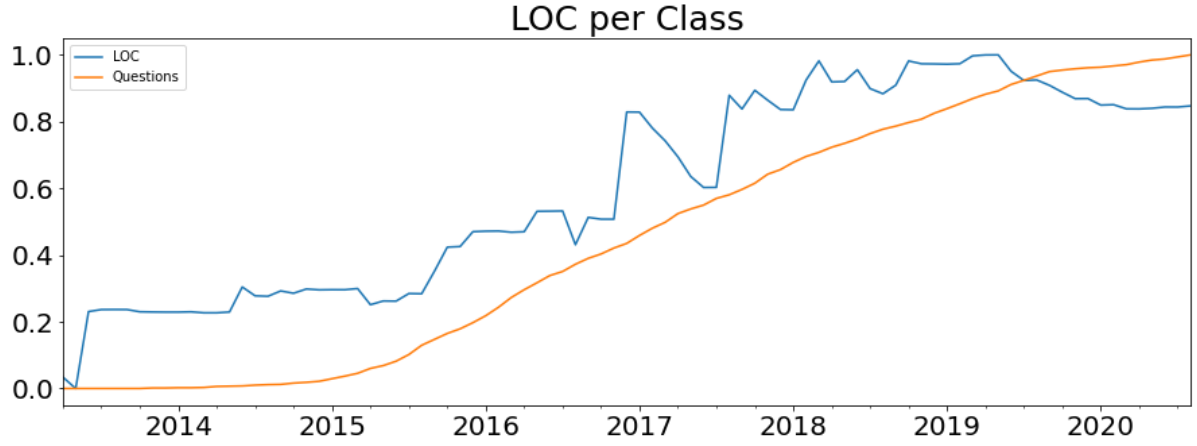
In [55]:
```
plot(AllMetricsAndQuestionsNormalized["readability"], AllMetricsAndQuestionsNo
rmalized["questions"], "Readability", "Readability per Class", "", "")
```



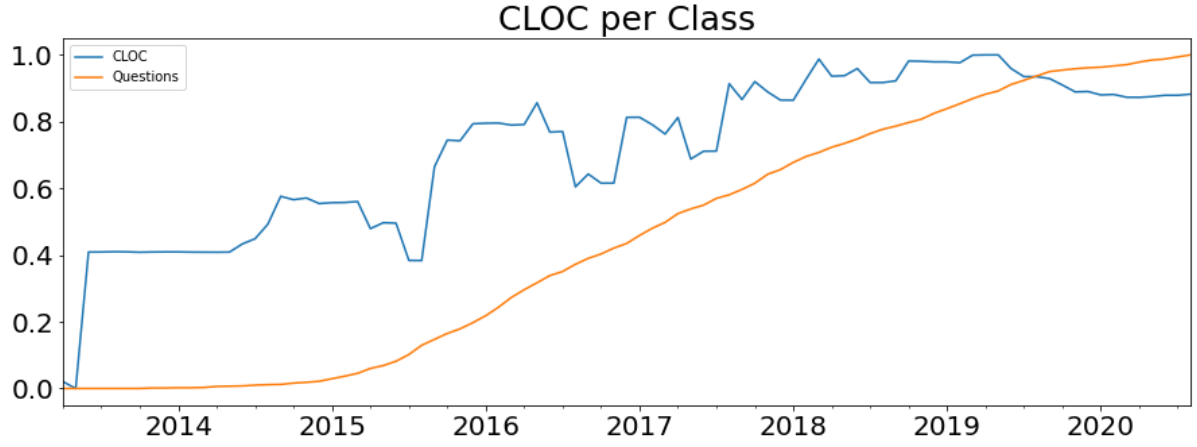
In [56]:
```
plot(AllMetricsAndQuestionsNormalized["CountLine"], AllMetricsAndQuestionsNorm
alized["questions"], "Physical Lines", "Physical Lines per Class", "", "")
```



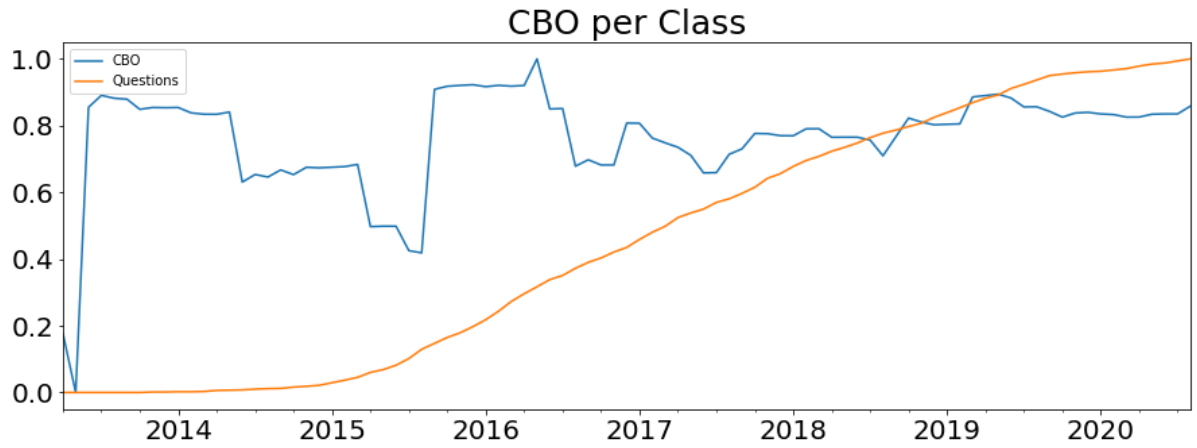
In [57]:
```
plot(AllMetricsAndQuestionsNormalized["CountLineCode"], AllMetricsAndQuestions
Normalized["questions"], "LOC", "LOC per Class", "", "")
```



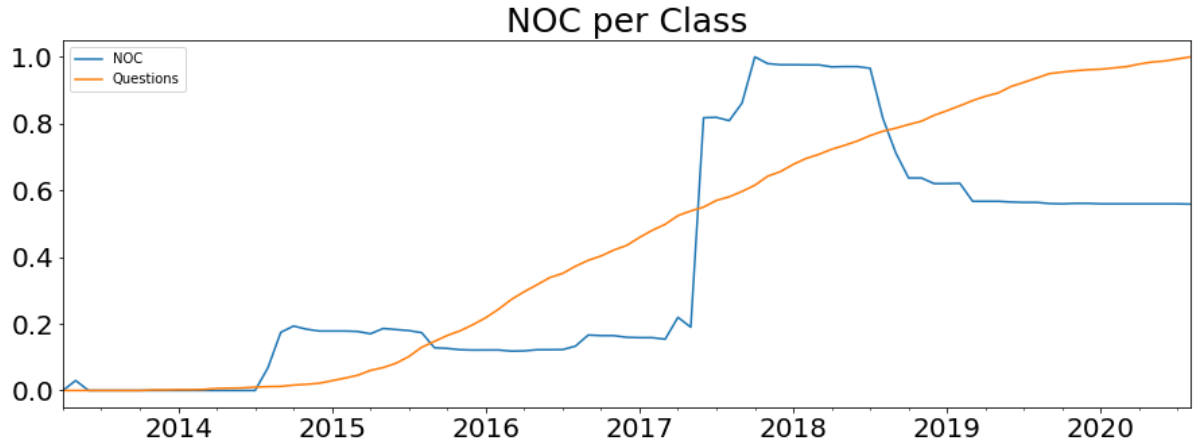
In [58]:
```
plot(AllMetricsAndQuestionsNormalized["CountLineComment"], AllMetricsAndQuesti
onsNormalized["questions"], "CLOC", "CLOC per Class", "", "")
```



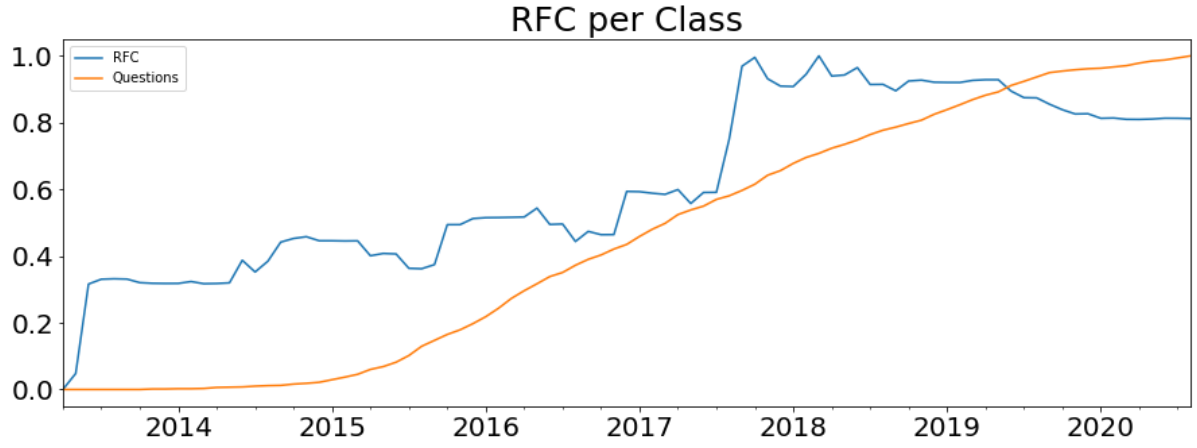
In [59]:
```
plot(AllMetricsAndQuestionsNormalized["CountClassCoupled"], AllMetricsAndQuestionsNormalized["questions"], "CBO", "CBO per Class", "", "")
```



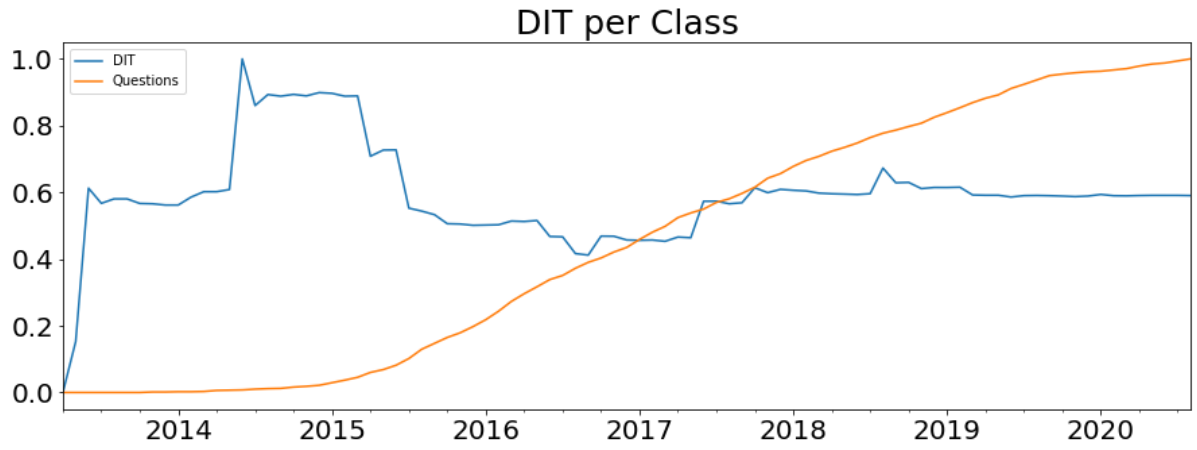
In [60]:
```
plot(AllMetricsAndQuestionsNormalized["CountClassDerived"], AllMetricsAndQuestionsNormalized["questions"], "NOC", "NOC per Class", "", "")
```



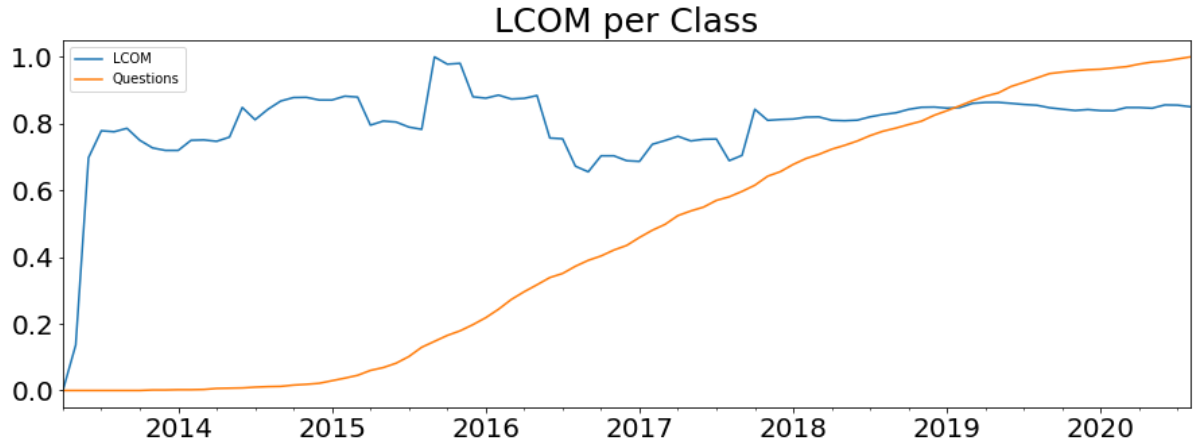
In [61]:
```
plot(AllMetricsAndQuestionsNormalized["CountDeclMethodAll"], AllMetricsAndQuestionsNormalized["questions"], "RFC", "RFC per Class", "", "")
```



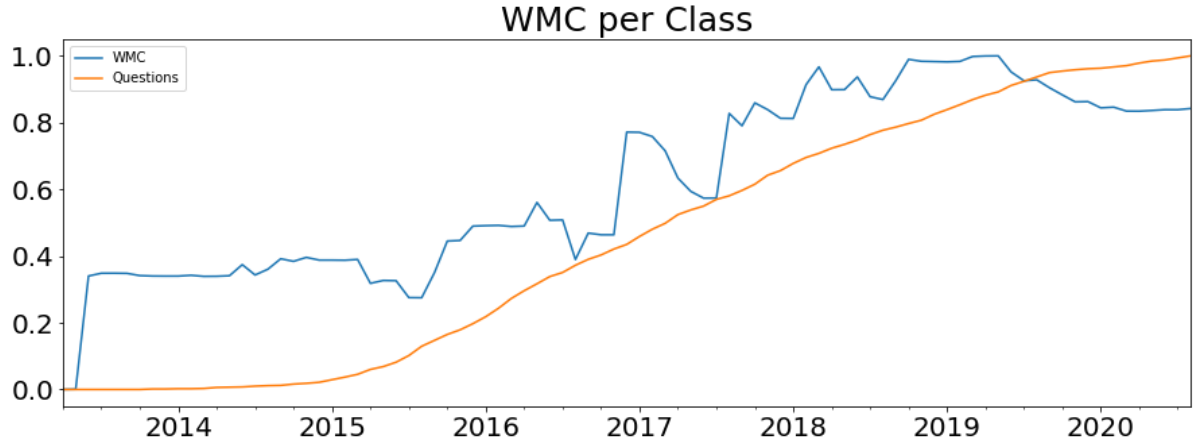
In [62]:
```
plot(AllMetricsAndQuestionsNormalized["MaxInheritanceTree"], AllMetricsAndQuestionsNormalized["questions"], "DIT", "DIT per Class", "", "")
```



In [63]:
```
plot(AllMetricsAndQuestionsNormalized["PercentLackOfCohesion"], AllMetricsAndQuestionsNormalized["questions"], "LCOM", "LCOM per Class", "", "")
```



In [64]:
```
plot(AllMetricsAndQuestionsNormalized["SumCyclomatic"], AllMetricsAndQuestionsNormalized["questions"], "WMC", "WMC per Class", "", "")
```



In [65]:
```
plot(AllMetricsAndQuestionsNormalized["CountDeclClass"], AllMetricsAndQuestion
sNormalized["questions"], "Classes", "Classes", "", "")
```