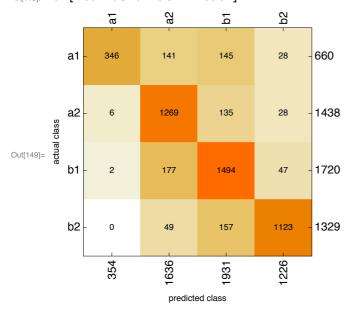
```
In[131]:= levelNames = {"a1", "a2", "b1", "b2"};
In[132]:= rootPath = NotebookDirectory[];
In[133]:= texts = Table[Import[FileNameJoin[{rootPath, "data", "sentences",
             StringJoin[level, " sentences.txt"]}]], {level, levelNames}];
In[134]:= TextSentences[texts[[1]], 4] (*Show 4 sentences, only A1 level*)
Out[134]= {I would like that, my dear., I would like to order la carte.,
       I would like to compose a message., Beautiful work.}
In[135]:= Flatten[TextSentences[#, 1] &@texts]
      (*Show 1 sentence, all levels in one array*)
Out[135]= {I would like that, my dear., That's Speedy!,
       And guess what?, He couldn't even guess.}
In[136]:= sentencesFull = TextSentences[#] &@texts;
In[137]:= nSents = All;
In[138]:= sentences = Map[Take[#, nSents] &, sentencesFull];
| In[139]:= nameLength = {levelNames, Map[Length, sentences]}<sup>↑</sup>;
in[140]:= (*sent2d = DimensionReduce[Flatten[sentences],2];*)
in[141]:= labels = Flatten[Table[Table[x[[1]], x[[2]]], {x, nameLength}]];
In[142]:= (*byLevels=GroupBy[Thread[sent2d→labels],Last→First];*)
In[143]:= (*ListPlot[Values[byLevels],
       PlotLegends→Keys[byLevels],PlotStyle→PointSize[Medium]]*)
In[144]:= allData = Thread[Flatten[sentences] → labels];
In[145]:= trainingData = RandomSample[allData, Round[0.7 Length[allData]]];
In[146]:= testingData = Complement[allData, trainingData];
In[147]:= trainedClassifier = Classify[trainingData]
Out[147]= ClassifierFunction
In[148]:= cm = ClassifierMeasurements[trainedClassifier, testingData]
                                                Classifier: LogisticRegression
      ClassifierMeasurementsObject
                                                Number of test examples: 45
Out[148]= ClassifierMeasurementsObject
                                                Number of test examples: 5147
```

^{...} General: Input expression ClassifierMeasurementsObject[...] contains insufficient information to interpret the result.

In[149]:= cm["ConfusionMatrixPlot"]



In[150]:= cm["Accuracy"]

Out[150]= 0.822227