← BACK TO GRADES

Homework Assignment 7 (week 8)

Faculty Feedback

Score

Last published: 8/30/2019 7:25 AM PDT

100 / 100 (100.00%)

Comments

WOW!!!!

Comments

Overall:

A great report that met ALL requirements! Very well done.

Introduction:

GREAT!!! You have really set the stage! Your intro motivates the problem and your subsequent methodology.

EDA + Preprocessing:

GREAT INITIAL EDA!!!

Great discussion of **SVMs** and compared classifiers!!

Great discussion of **kNN** and compared classifiers!!

Great discussion of **Random Forests** and compared classifiers!!

Conclusions:

Good conclusions. Comprehensive and clearly follow from the analysis.

Basis For Grades:

100: This means that your Assignment was amazing and so perfect that nothing can be improved. It covered everything – cleaning, prep – analysis that makes sense – visualizations – results (that are true) – etc. There is nothing really left to improve.

95: This means that your Assignment is really good! You covered most of the items noted below and perhaps a few others not noted. You can make some improvement on pre-processing and results analysis, as well as perhaps other visualizations. Overall – you have the idea and you did well.

90: This means that your Assignment is good, but could be a little better. Perhaps add items such as further data cleaning and pre-processing, data normalization, better or more visualizations, and/or more robust conclusions. Many students forgot to change Section to a factor for example. Very few students summed and normalized the data to look at the percentages for each attribute.

85: This means that your Assignment is a good start and largely meets the more general and overall requirements. Here, you used R, you did some analysis, you did some cleaning, you made some graphs, and your reached some conclusions. However, there is room for improvement.

Below 85 means that the level of 85 above was not quite met and many elements were missing.

General Topics

- SVMs,

- kNN, and

- Random Forest

- Handwriting recognition

In this homework, you will use SVMs, kNN, and Random Forest algorithms for handwriting recognition, and compare their performance with the naïve Bayes and decision tree models you built in previous week

Student Submission | Homework Assignment 7 (week 8)

Response

Last submitted: 8/28/2019 8:06 PM PDT

No response

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File Name	Uploaded	Feedback
Ryan_Timbrook_HW7.docx	8/28/2019 8:02 PM PDT	
Ryan_Timbrook_HW7.ipynb	8/28/2019 8:04 PM PDT	
kNN_submission.csv	8/28/2019 8:05 PM PDT	
ist707_w8_hw7.zip	8/28/2019 8:05 PM PDT	