

Module 8: Assignment

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 Edit



Final Data Science Report

Using the dataset below, develop both a regression model using the numerical dependent variable (DV) and a classification model using the nominal dependent variable in Python. For both model types, calculate the accuracy measures and comment on the most important input variables.

Compile your findings into a written report with figures and textual explanations following the structure of the Final Data Science Report Template and guidelines provided General Guidelines for Written Reports, both linked below.

File: [Wine Quality Data Set \(https://uciunex.instructure.com/courses/16848/files/2295091/download?wrap=1\)](https://uciunex.instructure.com/courses/16848/files/2295091/download?wrap=1)  [↓ \(https://uciunex.instructure.com/courses/16848/files/2295091/download?download_frd=1\)](https://uciunex.instructure.com/courses/16848/files/2295091/download?download_frd=1)

Resource: [Final Data Science Report Template !\[\]\(17413706fd4997a1a4bdf85c6864eee1_img.jpg\)](https://docs.google.com/document/d/1XHmvAoKTpZmop9wfdx2_xacIR4zJeQ2IO7AS2SXV3qA/edit?usp=sharing)
(https://docs.google.com/document/d/1XHmvAoKTpZmop9wfdx2_xacIR4zJeQ2IO7AS2SXV3qA/edit?usp=sharing).

Resource: [General Formatting Guidelines !\[\]\(faf942dc3e59ce8eb64b4ac481eca7e0_img.jpg\)](https://docs.google.com/document/d/1LIVNUVk3JhL_vK6wO4nr7cS-LY_Xi18e4934u7X7Fgg/edit?usp=sharing)
(https://docs.google.com/document/d/1LIVNUVk3JhL_vK6wO4nr7cS-LY_Xi18e4934u7X7Fgg/edit?usp=sharing).

Rubric

The grading rubric for this assignment is located below.

Submission

Click on the blue button in the top right corner to submit your assignment.

Click Next (below) to progress through the course.

Points 100

Submitting a text entry box, a website url, a media recording, or a file upload

Due	For	Available from	Until
Mar 12	Everyone	-	-

Module 8 Rubric				
Criteria	Ratings			Pts
Modeling Accuracy	50 pts Full Marks Model fits well with the topic and its implementation follows best practices.	30 pts Partial Marks Model fits well with the topic but it is not implemented according to the best practices.	0 pts No Marks Model does not fit with the topic and it is not implemented according to the best practices.	50 pts
Coverage and Completeness	30 pts Full Marks Modeling related steps and underlying code and parameters are defined completely.	20 pts Partial Marks Modeling related steps and underlying code and parameters are defined only partially.	0 pts No Marks Modeling related steps and underlying code and parameters are not defined or defined inaccurately.	30 pts
Report Format & Editing	20 pts Full Marks Formatting of the written report complies with the guidelines and is free of grammar and spelling errors.	15 pts Partial Marks Formatting of the written report partially complies with the guidelines and/or contains some grammar and spelling errors.	0 pts No Marks Formatting of the written report does not comply with the guidelines and contains grammar and spelling errors.	20 pts
				Total Points: 100