

Case Study Rubric

How will I know I have succeeded? You will meet expectations on this case study when you follow the criteria in the rubric below.

<u>Category</u>	<u>Details</u>
Formatting	<p>Submit each component listed in the rest of this rubric as advised below.</p> <ul style="list-style-type: none">● Written Portion<ul style="list-style-type: none">○ Submit the written portion as a PDF file.● Data & Code<ul style="list-style-type: none">○ Submit code created for all portions in a GitHub repository.○ Include any additional data that was used in GitHub if necessary.○ The GitHub should be titled “CS-[insert first & last name]”● References<ul style="list-style-type: none">○ References should be included on a separate page at the end of the Written Portion PDF file.○ IEEE citation style
Written Portion	<p>Discuss your interpretation of the study and thought process by answering the questions below.</p> <ul style="list-style-type: none">● In a small paragraph, summarize the problem presented in the study as well as its importance.● In a small paragraph, discuss your plan to meet the demands of the deliverable.<ul style="list-style-type: none">○ Include a simple graphic that outlines your analysis plan that you will follow for this study.● Finally, discuss the results of your study in complete sentences as well as the significance of these results in the greater context. <p>Reflection:</p> <ul style="list-style-type: none">● In a small paragraph, discuss the challenges you met while completing this study and how you overcame them.<ul style="list-style-type: none">○ Also discuss what you could have done differently and how you plan to improve in the future.
Code	<p>Your code should include...</p> <ul style="list-style-type: none">● An exploratory data analysis with respect to happiness scores and 6 life evaluation factors.<ul style="list-style-type: none">○ Factors: GDP, life expectancy, social support, generosity, corruption, freedom● A time-series regression analysis and model

	<ul style="list-style-type: none"> ○ The model should be trained and tested on the provided cleaned dataset. <ul style="list-style-type: none"> ■ Use dataset WHR.csv ○ The model should then be used on the data from year 2022 to predict the happiness scores for 2022. <ul style="list-style-type: none"> ■ Retrieve 2022 data from WHR data.xls dataset ● Be sure to include comments so a viewer can understand your process.
References	<ul style="list-style-type: none"> ● At the end of the written portion of this assignment please include a list of references in IEEE citation style that were NOT in the already given reference materials.