

Introduction to the capstone course

Complete the capstone project

Practice Quiz: Create your Course 7 capstone project
1 question

Lab: Activity: Course 7 Salifort Motors project lab
1h

Reading: Activity Exemplar: Course 7 capstone project exemplar
10 min

Lab: Exemplar: Course 7 Salifort Motors project lab
20 min

Practice Quiz: Assess your Course 7 capstone project
14 questions

Quiz: Did you complete the capstone project?
1 question

Capstone project wrap-up

Activity Exemplar: Course 7 capstone project exemplar

To review the exemplars for the Course 7 PACE strategy document and the Course 7 executive summary, click the links below and select *Use Template*.

Links to exemplars:

- Course 7 PACE strategy document
- Course 7 executive summary

OR

If you don't have a Google account, you can download the exemplars directly from the attachments below.

Activity Exemplar_ Course 7 PACE strategy document
DOCX File

Activity Exemplar_ Course 7 executive summary
PPTX File

To review the exemplar for the lab, click the link below and select *Open Lab*.

Link to exemplar:

- Course 7 capstone project lab

Assessment of Exemplars

Course 7 PACE strategy document

Compare the exemplar to your completed PACE strategy document. Your responses might differ in some respects from the exemplar, but that is to be expected. What did you do well? Where can you improve? Use your answers to these questions to guide you as you complete the capstone project.

Note: The exemplar represents one possible way to address the PACE questions and classify project tasks according to the PACE workflow. Yours might differ in certain ways, such as your specific responses to questions. What's important is that you have a general idea of the order and classification of tasks in the data analysis process.

Your PACE strategy document should:

- Outline an effective plan of action for your project based on the PACE structure
- Clearly communicate the reasoning behind your decisions to pair PACE stages with specific tasks

Course 7 capstone lab

Compare your notebook against the exemplar notebook provided. Your responses might differ in some respects from the exemplar, but that is to be expected. What did you do well? Where can you improve? Use your answers to these questions to guide you as you continue to progress through the course.

Note: Earlier in this certificate, you completed one or several portfolio projects. Each portfolio project included a project exemplar, which represented one possible way to complete the Python notebook. Your project might have differed in certain ways, such as your specific code or responses to questions. What's important is that you have gained an overall understanding of the purpose and functionality of a Python notebook for data analysis. **However,** for this Course 7 Capstone project, the Python lab notebook showcases many approaches to find a solution to the presented business problem. In the Activity Exemplar lab notebook, you'll find references to different courses, such as Course 5 (regression modeling and analysis) and Course 6 (machine learning models). However, you are not required to use material from every course. You have the freedom to choose which approach to use and subsequently to choose which course's material to review for reference.

Your Python notebook should:

- Include the correct code to build and evaluate a predictive model; to do so, you may choose to use one or more of the following: regression model(s), Naive Bayes, and tree-based machine learning models such as decision tree, random forest, and XGBoost
- Clearly communicate the decisions you made through all stages of the project, including EDA and modeling
- Present the results from your model(s)

Course 7 executive summary

Compare the exemplar to your completed executive summary. Your responses might differ in some respects from the exemplar, but that is to be expected. What did you do well? Where can you improve? Use your answers to these questions to guide you as you continue to progress through the course.

Note: The exemplar represents one possible way to complete the executive summary. Yours might differ in certain ways, such as your specific language and visual design. What's important is that you have an overall understanding of the purpose and organization of executive summaries for data projects.

Your executive summary should:

- Include key information that you want to share with your stakeholders
- Use clear and concise language to effectively communicate your results

Mark as completed

