Data Science Career Track
Project List

This document contains a comprehensive list of the hands-on projects and exercises you will complete while working through this course. They are listed in the order that they appear in the course. You'll also find the rubric for each project linked here so that you can get a better sense of how your work will be assessed. For more information about the larger projects you will work on during this course, please revisit **this overview**.

Core Unit Projects

Create a Problem Statement for Monalco Mining - rubric

Create a Problem Statement for Nordic Sensing Co. - rubric

Case Study: London Housing - your mentor has the solution set

Guided Capstone - Step One - rubric

Guided Capstone - Step Two - rubric

Guided Capstone - Step Three - rubric

Guided Capstone - Step Four - rubric

Guided Capstone - Step Five - rubric

Guided Capstone - Step Six - rubric

Guided Capstone - Create a Slide Deck for the Executive Team - rubric

Capstone Two - Project Ideas - [rubric](#)

Capstone Two - Project Proposal - [rubric](#)

APIs Mini-Project - [rubric](#)

Capstone Two - Data Wrangling - [rubric](#)

Case Study - Frequentist Inference: A and B - your mentor has the solution set

Case Study - Integrating Apps - your mentor has the solution set

Case Study - Linear Regression - your mentor has the solution set

Case Study - Boston Housing - your mentor has the solution set

Capstone Two - EDA - [rubric](#)

Case Study - Logistic Regression - your mentor has the solution set

Case Study - RR Diner Coffee - your mentor has the solution set

Case Study - Random Forest - your mentor has the solution set

Case Study - Gradient Boosting - your mentor has the solution set

Case Study - Calculating Distances - your mentor has the solution set

Case Study - Cosine Similarity - your mentor has the solution set

Case Study - Customer Segmentation using Clustering: K-means - your mentor has the solution set

Capstone Two - Pre-processing and Training Data Development - [rubric](#)

Grid Search in KNN - your mentor has the solution set

Bayesian Optimization - your mentor has the solution set

Capstone Two - Modeling - [rubric](#)

Craft a Story from a Dataset - [rubric](#)

Capstone Two - Final Project Report - [rubric](#)

Capstone Two - Final Presentation - [rubric](#)

Specialization Track Projects

Generalist	Business Insider	Advanced Machine Learning
Cowboy Cigarettes Case Study	Building Your Own [Issue Tree](#)	Cowboy Cigarettes Case Study

Capstone Three - Submit Your Project Ideas	Create an Issue Tree for Monalco Mining	**Capstone Three** - Submit Your Project Ideas
Capstone Three - Submit Your Project Proposal	Complete a Value Driver Tree for Monalco Mining	**Capstone Three** - Submit Your Project Proposal
Capstone Three - Submit Your Data Wrangling and EDA Work	**Capstone Three** - Submit Your Project Ideas	Spark: Databricks Edition
Capstone Three - Submit Your Pre-processing Work and Model	**Capstone Three** - Submit Your Project Proposal	**Capstone Three** - Submit Your Data Wrangling and EDA Work
Capstone Three - Submit Your Documentation	Submit Your Tableau Dashboard	**Capstone Three** - Submit Your Pre-processing Work and Model
Capstone Three- Give a Presentation	**Capstone Three** - Data Wrangling	**Capstone Three** - Submit Your Documentation
	Capstone Three - EDA	**Capstone Three** - Give a Presentation
	Capstone Three - Submit Your Pre-processing Work and Model	
	Capstone Three - Submit Your Documentation	
	Capstone Three - Give a Presentation	