

Welcome to the AI & Machine Learning track! In this track, you will work in Snowflake, a leading data platform solution. Are you ready for a resume-building experience? In this project, you will complete a tutorial (Snowflake quickstart) and apply what you learn in the tutorial to a provided dataset and problem. Do you know some SQL and Python? Great - give this a try! You'll be given a data set of spare parts for a manufacturing company. The stakeholders have asked that you **predict when a purchase will arrive**. This is an AI/ML problem - keep in mind - you can create an ML model with as little as four lines of code. You can do this! Here's a breakdown of the project:

1. Read this [article](#).
2. Watch this [video](#). (This is extremely important and will orient you to the project.)
 - a. Claim your username for Snowflake [here](#).
3. Copy the database as directed in the video in Part 1.
4. Choose and complete one or more of the following quickstart tutorials
 - a. [Intro to Machine Learning with Snowpark ML](#)
 - b. [Machine Learning with Snowpark Python](#)
 - c. [Visual Analytics Powered by Snowflake](#) (you can use this for preliminary visualizations, but remember that this is an AI/ML problem)
 - d. [Accelerating Machine Learning with Snowflake and Data Robot](#)
5. Work to apply what you learned in the quickstart (and harness other resources as well!) to **predict when a purchase will arrive**.

Presentation & Final Deliverable: Collaboratively outline the project, including the chosen quickstart, problem statement, data preparation/cleaning, feature engineering, modeling techniques, and criteria for choosing a model to put into production.

- a. Prepare an 8-minute presentation, addressing stakeholders for the first 4 minutes and describing the project process for the remaining 4 minutes. Submit a portfolio documenting the project comprehensively for reproducibility.