

What skills should you have?

It is assumed you have a solid understanding of the following topics prior to starting this course:

- Fundamental understanding of Linear Algebra
- Understand sampling, probability theory, and probability distributions
- Knowledge of descriptive and inferential statistical concepts
- General understanding of machine learning techniques and best practices
- Practiced understanding of Python and the packages commonly used in data science: [NumPy](#), [Pandas](#), [matplotlib](#), [scikit-learn](#)
- Familiarity with [IBM Watson Studio](#)
- Familiarity with the design thinking process

There will be links to additional resources and extra exercises provided throughout the course. Also, for your convenience there is an additional materials reference page.