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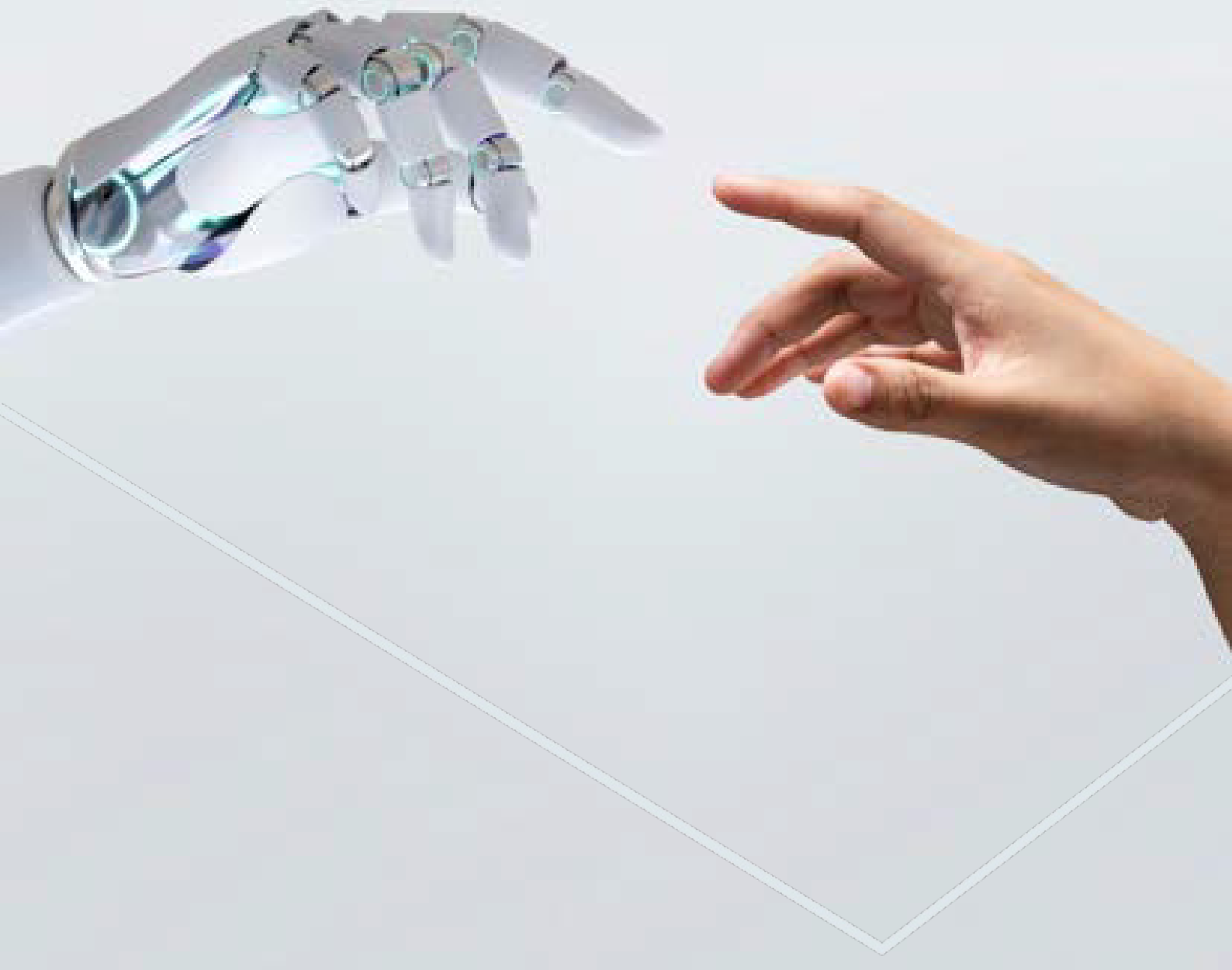
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# Applied Statistics with Python

**\*The materials will be accessible as each topic is completed in the live class**

This concise, engaging course offers a fundamental understanding of statistics and probability. Spanning six lessons, it covers descriptive statistics, the principles of probability, probability distributions, sampling techniques, and inferential statistics. Designed for data scientists and analysts, the course combines theoretical foundations with practical examples, equipping learners with essential skills for real-world projects.

- Understand the basic concepts of statistical analysis, such as statistical inference and hypothesis testing.
- Use Python to perform statistical analysis on various real-world data science problems.
- Understand the limitations and assumptions of different statistical methods, and be able to select appropriate techniques for a given problem.

## Course Curriculum

**Lesson 01** :
Introduction
**Lesson 02**:
Descriptive Statistics
**Lesson 03** :
Probability
**Lesson 04** :
Proability Distributions
**Lesson 05:**
Sampling & Sampling Techniques
**Lesson 06**:
Inferential Statistics