Follow-along instructions: Explore one-way versus two-way ANOVA tests with Python

Accessing and utilizing resources in this section

While watching the videos that follow this reading, you may find it helpful to track the instructor's progress by following along in your own Jupyter notebook. To do so, open the annotated follow-along guide for the videos. The content in this notebook is identical to the content shown in this lesson's instructional videos. In addition to that content, you'll find additional information throughout the notebook. That information is provided to explain the purpose of each concept covered, why the code is written in a certain way, and tips for running the code.

Steps to complete for each video:

1. Read this page of instructions.

2. Open the Annotated follow-along guide: Explore one-way versus two-way ANOVA tests with Python ↗, which contains a version of the same notebook the instructor will use in the video.

3. Follow along with the instructor as they go over the code in the notebook.

4. Learn from the instructor and practice running the code in your notebook.

Data dictionary

This lesson uses a dataset called `diamonds` that represents data about diamonds. There is also a modified version of the diamonds dataset, called `diamonds2`. The accompanying notebooks will provide the code for how to modify the dataset. This dataset is frequently used when teaching data fundamentals.

Note: This lesson's notebook does not require access to an external database file. You will have access to the dataset directly through Python's seaborn package.

The `diamonds` dataset contains:

39840 rows – each row is a unique diamond

3 columns:

Column name	Type	Description
color	str	Diamond color grade
price	int	Diamond price (US dollars)
log_price	float	Logarithm of diamond price

The `diamonds2` data set contains:

34935 rows – each row is a unique diamond

4 columns:

Column name	Type	Description
color	str	Diamond color grade
cut	str	Diamond cut
price	int	Diamond price (US dollars)
log_price	float	Logarithm of diamond price

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