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CIS550-WK6

Pandas Tutorial & Exercises

Pandas is an open source library for data analysis and manipulation in Python. We're introducing it because it's one of the most powerful and popular tools for performing the type of exploratory data analysis and data processing you'll need to perform for the project.

This tutorial and the accompanying exercises are optional, but may be a very useful resource in completing your project.

Files:

Download the following files and open them via Google Colaboratory via File --> Upload Notebook. First do the tutorial, then proceed to the exercises.

Pandas Tutorial
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Pandas Exercises
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CIS550-WK7

Exploratory Data Analysis Tutorial & Exercises

In this tutorial, you'll learn how to use Pandas to perform the basic **exploratory data analysis** (EDA). EDA refers to any analysis done to understand the basic structure, characteristics, and quality of a dataset. As datasets are rarely perfect, performing EDA will give you a sense of how much cleaning you'll have to do to prepare the data.

This tutorial and the accompanying exercises are optional, but may be a very useful resource in completing your project.

Files:

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CIS550-WK8

Pre-Processing Tutorial & Exercises

In this tutorial, you'll learn how to use Pandas to perform some basic pre-processing tasks that you may need to carry out to clean your data for the project before you can import it to your database.

This tutorial and the accompanying exercises are optional, but may be a very useful resource in completing your project.

Files:

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9 - Processing Tutorial

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9 - Processing Exercises

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