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**Lab 5: Feature engineering (calendric, peak hours inclusion, and Correlation)**

**Date:** Monday, February 19, 2024

**Tasks:**

1. Introducing holidays and adding a holiday flag. For easy manipulation, you may save this in a CSV file.
2. Identify calendar features and add them with a separate column in the data frame.
3. Add the season flag into the data frame.
4. Correlation analysis of power consumption with these different features.

**Note**: Try different datasets, for the Lab report use the AEP dataset from PJM. In addition, using the citylearn challenge dataset is encouraging.