**Price prediction**

Assumption 1: Hourly Price of EPEX can be predicted by a linear model.

Solution: Study non-linear models such as Non-linear regression or Neural Networks.

Assumption 2: Time-series data was converted into cross-sectional data.

Solution: Study time-series regression methods.

Assumption 3: EPEX is not predicted by factors other than price (e.g. Temperature, Wind, other energy prices etc.)

Solution: More time to integrate other data sources.

**Optimisation Model**

Assumption 1: Binary Buy/Sell decision – Buy 1 MWh and Sell 1 MWh only.

Positive outcome? Discharge rate of 1 MW / h is also considered when using binary.

Solution: Use continuous decision variables or mixed-integer optimisation.

Assumption 2: Battery is drained by the end of the day.

Assumption 3: Assume we cannot buy and sell at the same time.

Positive outcome? Easier to interpret

Negative outcome? Not realistic

Solution: Include discharge time as a constraint and continuous decision variables.