02_own_parameterised_ai_02_analyse_results

August 3, 2024

1 Own parameterised AI - analyse results

Extracts and visualises results from 02_own_parameterised_ai_results_01_raw.csv.

```python
[1]: from datetime import datetime
     import pandas as pd
     import plotly.express as px
     import numpy as np
```

```python
[2]: df = pd.read_csv('02_own_parameterised_ai_results_01_raw.csv', parse_dates=[2])
```

```python
[3]: df = pd.read_csv('02_own_parameterised_ai_results_01_raw.csv', parse_dates=[2])
     df_to_group = df.groupby(['max_buses', 'date'])
     df_mean_standard_deviation = pd.concat([
         df_to_group.agg('mean')['money'].rename('mean'),
         df_to_group.agg('std')['money'].rename('standard_deviation'),
     ], axis=1).stack().unstack(level=2).unstack(level=0)
     df_mean_standard_deviation.columns.set_names(['statistic', 'max_buses'],␣
      ↪inplace=True)
     df_mean_standard_deviation.
      ↪to_csv('02_own_parameterised_ai_results_02_money_mean_standard_deviation.
      ↪csv')
```

```python
[4]: px.line(df_mean_standard_deviation["mean"])
```