

01_scaling_02_analyse_results

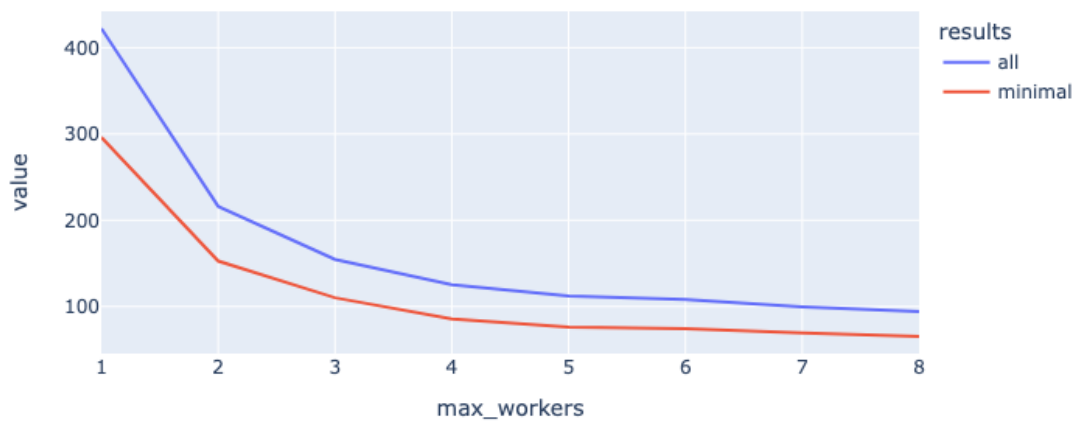
June 25, 2024

1 Scaling - analyse results

Extracts and visualises results 01_scaling_raw.csv.

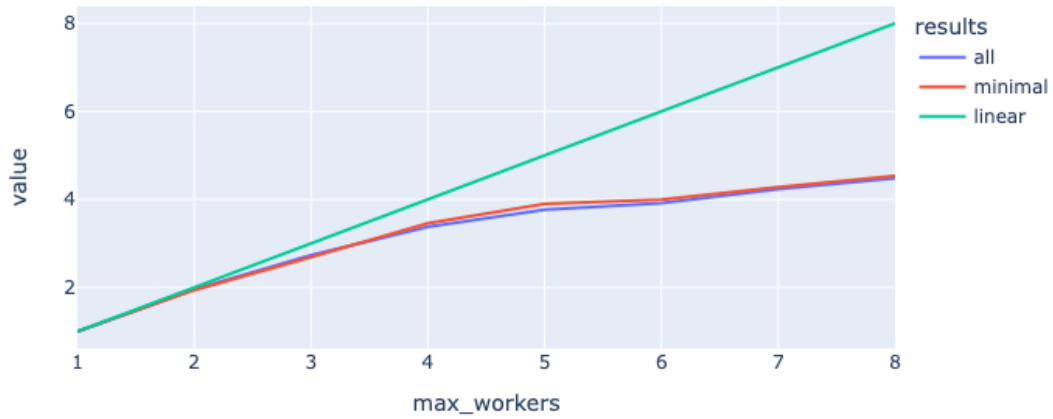
```
[1]: import pandas as pd
import plotly.express as px

[2]: # Plot raw runtime
df = pd.read_csv('01_scaling_results_01_raw.csv')
df_wallclock_times = df.pivot(
    index='max_workers',
    columns='results',
    values='wallclock_time',
)
px.line(df_wallclock_times)
```



```
[3]: # Plot speedup
df_speedups = df_wallclock_times.loc[1] / df_wallclock_times
df_speedups['linear'] = df_speedups.index
```

```
px.line(df_speedups)
```



```
[4]: # Save runtime and speedups
df_wallclock_times.to_csv('01_scaling_results_02_wallclock_times.csv')
df_speedups.to_csv('01_scaling_results_03_speedups.csv')
```