phase2_plots

June 29, 2021

```
[37]: import pandas as pd
      data = pd.read_csv("phase2_results/old.csv")
      # print(data)
```

```
[42]: import seaborn as sns
      import matplotlib.pyplot as plt

      box_data = data

      # for x in data.instance:
      #     print(x)
      print(data.columns)

      fig, ax = plt.subplots()

      sns.boxplot(ax=ax, x=data.instance,  y=(data.makespan/data.bks - 1), hue=data.
       ↪nbh)

      ax.set(xlabel="Instanz", ylabel="Abweichung zur BKS")

      plt.show()
```

```
Index(['instance', 'bks', 'nbh', 'time', 'seed', 'makespan'], dtype='object')
```