

# 08\_comparison

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## 1 Comparison to historical data

### 1.1 Content

1. Import Files
2. Calculate Mean Importance per Fähigkeit per Berufshauptgruppe
3. Save File

```
[9]: # imports
import pandas as pd
```

### import

```
[10]: # import files
df_jobs = pd.read_csv('files/fo_swiss.csv')
not_automatable = [item[0] for item in pd.read_csv("files/not_automatable.csv").
↳ values.tolist()]
```

### Calculate Mean of Importance per Fähigkeit per Berufshauptgruppe

```
[11]: # Select the columns in df_jobs that are also in not_automatable
selected_columns = [col for col in df_jobs.columns if col in not_automatable]

# Group by 'Berufshauptgruppe' and calculate the mean value for the selected_
↳ columns
mean_values_per_berufshauptgruppe = df_jobs.
↳ groupby('Berufshauptgruppe')[selected_columns].mean()
```

### Save File

```
[12]: # Save the DataFrame as a CSV file
mean_values_per_berufshauptgruppe.to_csv('files/
↳ berufshauptgruppe_mean_importance.csv')
```