

# PF SA TODIM Weights

July 1, 2021

```
[1]: import matplotlib.pyplot as plt
import numpy as np
import pandas as pd
```

```
[2]: %matplotlib inline
plt.rcParams["figure.dpi"] = 1000
plt.rcParams['font.family'] = 'serif'
plt.rcParams['font.size'] = '8'
```

```
[3]: ranking_data = pd.read_csv('weight_rankings.csv')
ranking_data
```

```
[3]:
```

	S1	S2	S3	S4	S5	S6
0	3	4	6	1	5	2
1	3	4	6	1	5	2
2	3	4	6	1	5	2
3	3	4	6	1	5	2
4	3	4	6	1	5	2
..	..	..	..	..	..	..
995	3	4	6	1	5	2
996	3	4	6	1	5	2
997	3	4	6	1	5	2
998	3	4	6	1	5	2
999	3	4	6	1	5	2

[1000 rows x 6 columns]

```
[4]: x = ranking_data.columns

plt.xticks(rotation='vertical')
plt.yticks(ticks=range(1, len(x) + 1))

plt.xlabel('Alternatives')
plt.ylabel('Rank')

for _, row in ranking_data.iterrows():
    plt.scatter(x=x, y=list(row), alpha=0.01, c='black')
```

