

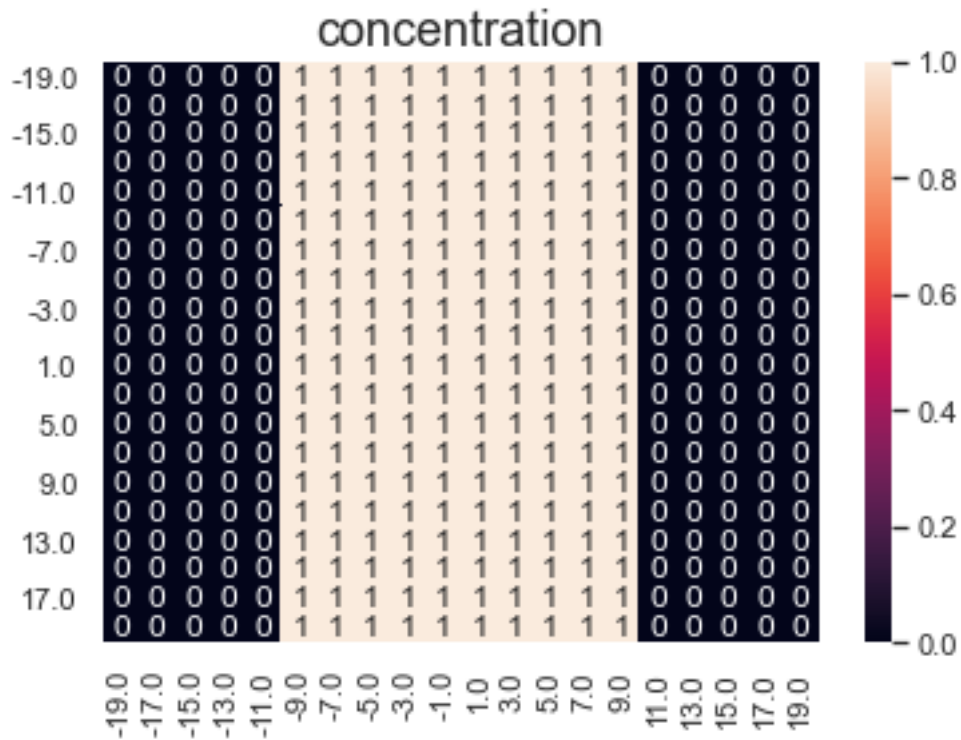
Untitled

November 27, 2022

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[8]: import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt

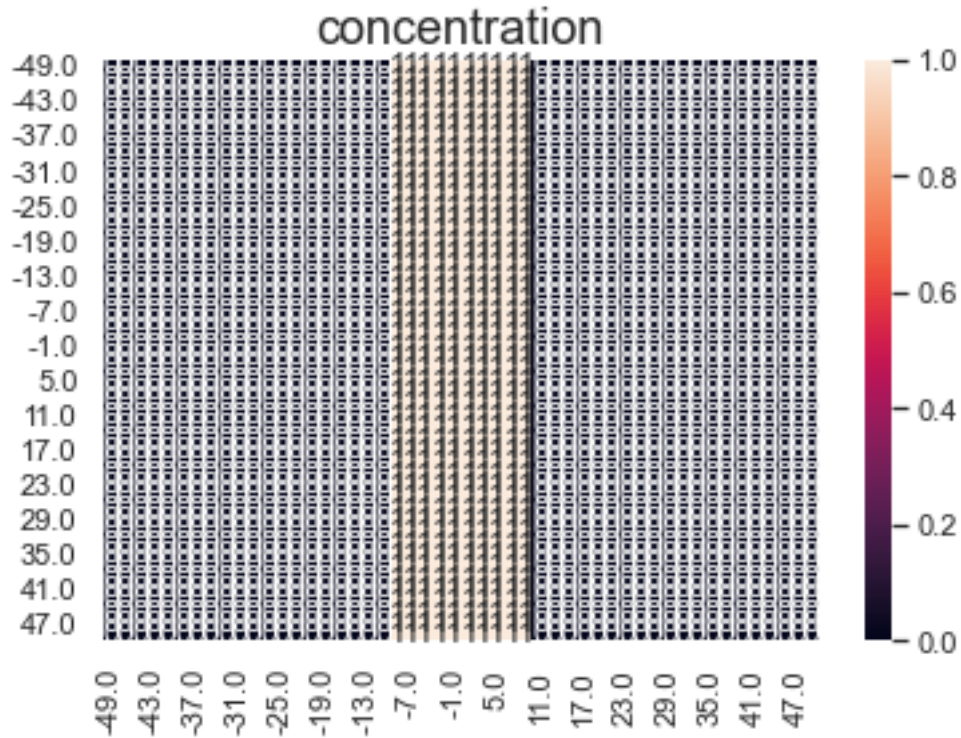
concentration = np.zeros((20,20))
concentration[0:20,5:15]=1

key_list = np.linspace(-19, 19, 20)
ax = sns.heatmap(pd.DataFrame(concentration, columns=key_list, index=key_list),
    annot=True, vmin=0, vmax=1)
ax.set_title('concentration', fontsize=18)
plt.show()
```



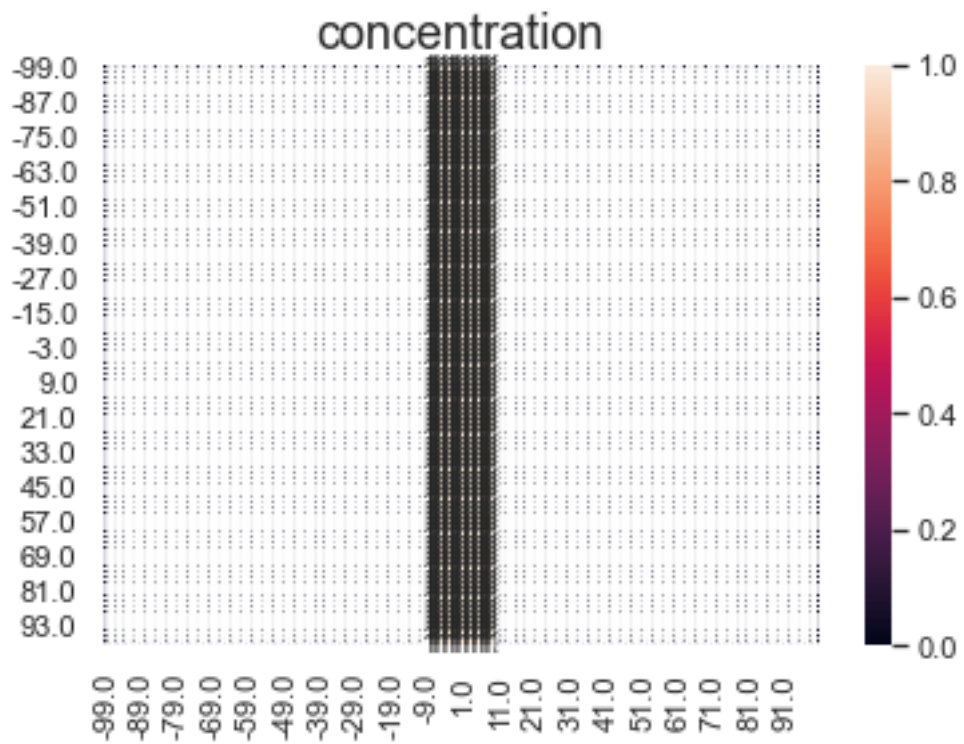
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[9]: concentration = np.zeros((50,50))
concentration[0:50,20:30]=1

key_list = np.linspace(-49, 49, 50)
ax = sns.heatmap(pd.DataFrame(concentration, columns=key_list, index=key_list),
    ↳annot=True, vmin=0, vmax=1)
ax.set_title('concentration', fontsize=18)
plt.show()
```



```
[10]: concentration = np.zeros((100,100))
concentration[0:100,45:55]=1

key_list = np.linspace(-99, 99, 100)
ax = sns.heatmap(pd.DataFrame(concentration, columns=key_list, index=key_list),
    ↳annot=True, vmin=0, vmax=1)
ax.set_title('concentration', fontsize=18)
plt.show()
```



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