03 dirichlet distribution

September 29, 2021

1 Latent Dirichlet Allocation - Interactive Simulation

1.1 Imports

```
[1]: import warnings
   warnings.filterwarnings('ignore')

[2]: %matplotlib inline
   import numpy as np
   import pandas as pd

# Visualization
   from ipywidgets import interact, FloatSlider
   import matplotlib.pyplot as plt
   import seaborn as sns

[3]: sns.set_style('white')
```

1.2 Simulate Dirichlet Distribution

```
interactive(children=(FloatSlider(value=1.0, continuous_update=False, 

→description='Alpha', max=10.0, min=0.01,...
```