The beta-binomial model

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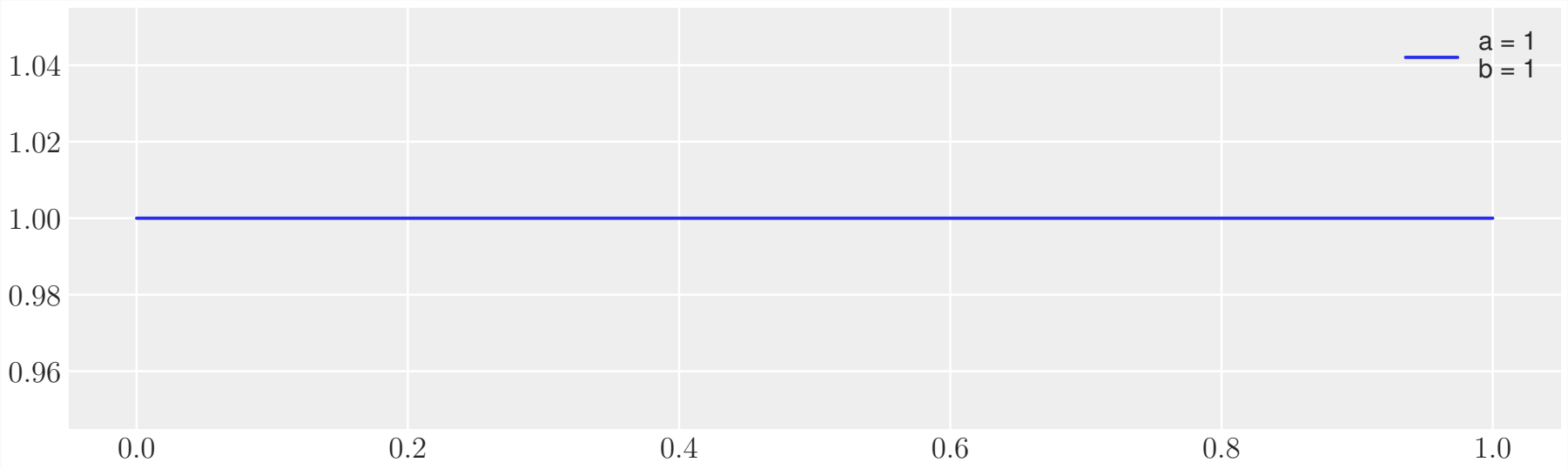
Bayesian Data Analysis and Probabilistic Programming

Uniform distribution: $a = b = 1$

- This a *uniform* distribution: all values in $(0, 1)$ are equally probable.



pymc attempt

```
data = np.array([248.28, 248.26, 248.33, 248.24, 248.34, 247.5
                 248.4, 247.98, 248.29, 248.22, 248.24, 248.2
                 248.23, 248.29, 248.31, 248.19, 248.24, 248.
                 248.36, 248.28, 248.25, 248.21, 248.28, 248.
                 248.28, 248.26, 248.3, 248.32, 248.36, 248.2
                 248.36, 248.23, 248.27, 248.27, 248.28, 248.
                 248.26, 248.33, 248.26, 248.32, 248.32, 248.
                 248.24, 248.25, 248.32, 248.25, 248.29, 248.
                 248.16, 248.23])
```

pymc attempt