

Variation per sound classes of all languages *Prior: LKJ(5)* 

Word form frequency Normal(0, 0.3)

## **log-Duration of consonant**

Intercept log-normal(Mu, Sigma)

Mu Normal(4.4, 0.2)

Sigma Exp(12)

Local speech rate Normal(0, 0.3)

Phones per word Normal(0, 0.3)

Varying effects	
Fixed effects	