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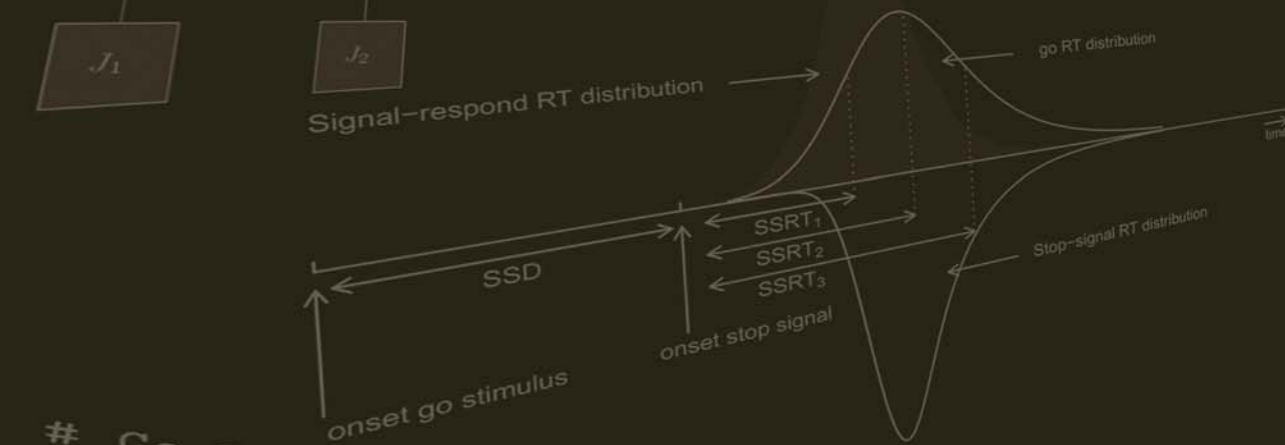
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Bayesian Explorations in Mathematical Psychology



$$\frac{p(\mathcal{M}_1 | y)}{p(\mathcal{M}_2 | y)} = \frac{p(\mathcal{M}_1)}{p(\mathcal{M}_2)} \times \frac{m(y | \mathcal{M}_1)}{m(y | \mathcal{M}_2)}$$



 Dóra Matzke

```
# Go RTs come from an ex-Gaussian distribution
for (g in 1:n.gort){
  go_rt[g] ~ ExGaussian(mu_go[j], sigma_go[j], tau_go[j])
}

# Signal respond trials; signal-respond RTs (srirt) at each SSD come from
# a censored ex-Gaussian distribution
# (see first part of Equation 14.)
for (d in 1:end_SR[j]){
  for (r in 1:n.srirt[d,j]){
    srirt[d,r,j] ~ CensoredExGaussian_SR(mu_go[j], sigma_go[j], tau_go[j],
    mu_stop[j], sigma_stop[j], tau_stop[j], ssd_SR[d,j])
  }
}
}
```

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Dóra Matzke

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ter verkrijging van de graad van doctor

aan de Universiteit van Amsterdam

op gezag van de Rector Magnificus

prof. dr. D.C. van den Boom

ten overstaan van een door het college voor promoties ingestelde

commissie, in het openbaar te verdedigen in de Agnietenkapel

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door

Dóra Matzke

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This dissertation is dedicated to my father (1944-2004).
Látod, papa, megy ez a matek.

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