### **Prior Distributions**

2024-07-05

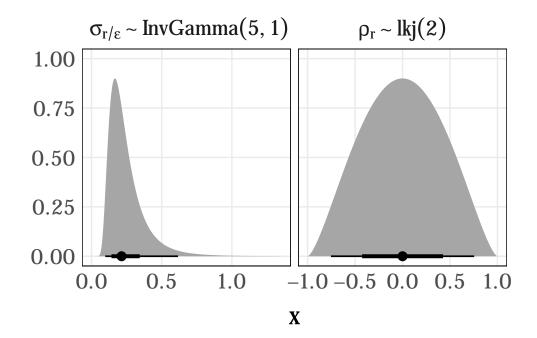
```
# Packages
library(tidyverse)
library(ggdist)
library(extrafont)
library(distributional)
```

#### **General**

```
dist_1 <- tibble(
    dist = dist_inverse_gamma(5,1),
    dist_name = "~sigma[r/epsilon] %~% InvGamma(5,1)")

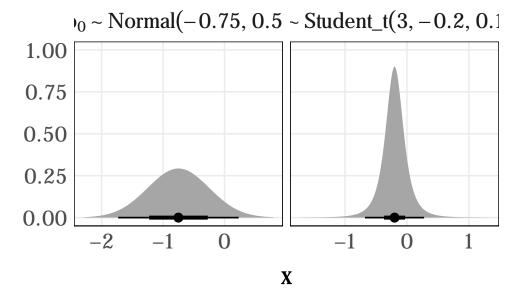
dist_2 <- tibble(
    dist = "lkjcorr_marginal",
    dist_name = "rho[r] %~% lkj(2)")

ggplot() +
    stat_halfeye(data = dist_1,aes(xdist = dist)) +
    stat_halfeye(data = dist_2,aes(xdist = dist, arg1 = 3, arg2 = 2)) +
    facet_grid(.~dist_name, scales="free", labeller = label_parsed) +
    theme_nice() +
    labs(y = "")</pre>
```



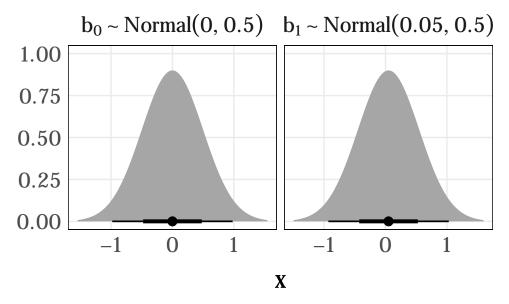
#### Hypothesis 1

## Metric Knowledge



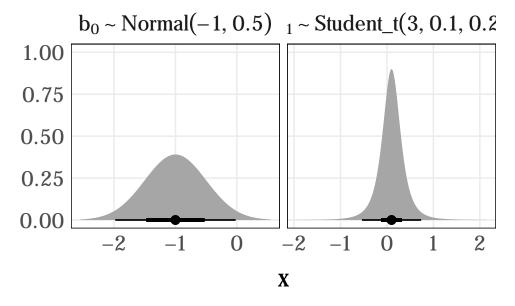
```
ggplot(dist_df,aes(xdist = dist)) +
   stat_halfeye() +
   facet_grid(.~dist_name, scales="free", labeller = label_parsed) +
   theme_nice() +
   labs(y = "", title = "Mapping Knowledge")
```

### MappingKnowledge

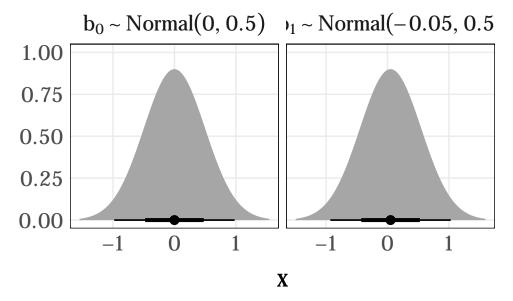


### Hypothesis 2

### MetricKnowledge

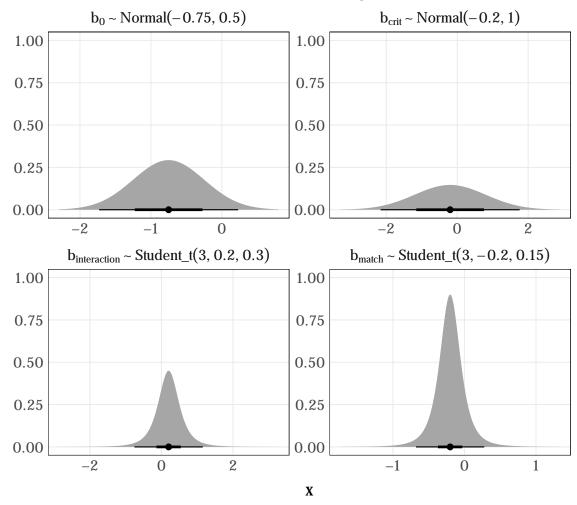


### MappingKnowledge



#### Hypothesis 3

#### MetricKnowledge



# Mapping Knowledge

