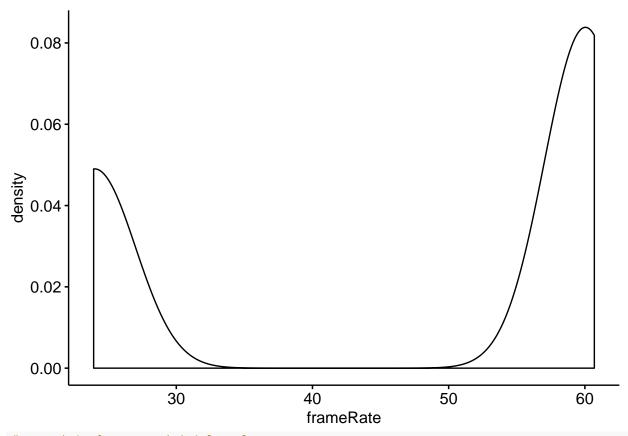
ULG fMRI-task behavioral data

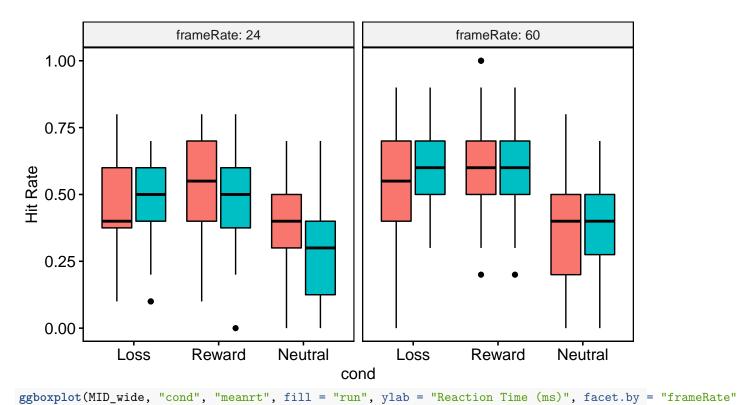
MID

```
MID_long <- read.csv("MID/data/MID_merged_bdat.csv")</pre>
MID_long$probeResp.corr <- as.integer(MID_long$probeResp.corr)</pre>
MID_long$run <- as.factor(MID_long$run)</pre>
# replace NA with Os
MID_long$probeResp.corr[is.na(MID_long$probeResp.corr)] <- 0
MID_wide <- MID_long %>%
  filter(Condition != "") %>%
  group_by(participant, Condition, run) %>%
  summarise(meanacc = mean(probeResp.corr), meanrt =1000* mean(probeResp.rt, na.rm=TRUE), frameRate = m
MID_wide <- MID_wide %>% mutate(cond = case_when(
        Condition == "LgPun" | Condition == "SmallPun" ~ "Loss",
        Condition == "LgReward" | Condition == "SmallReward" ~ "Reward",
        Condition == "Triangle" ~ "Neutral"))
MID_wide <- MID_wide %>% mutate(frameRate = case_when(
        frameRate < 40 ~ 24,
        frameRate > 50 ~ 60))
MID_wide$frameRate <- as.factor(MID_wide$frameRate)</pre>
ggdensity(MID_long, x = "frameRate")
```



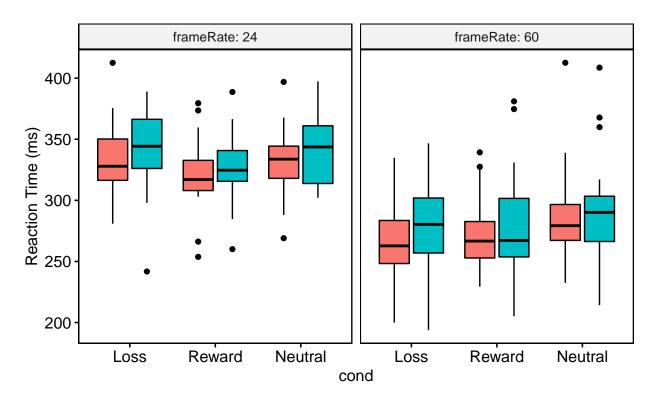
meanrt is for correct trials only
ggboxplot(MID_wide, "cond", "meanacc", fill = "run", ylab = "Hit Rate", facet.by = "frameRate", short.p





Warning: Removed 13 rows containing non-finite values (stat_boxplot).





SST

```
SST_long <- read.csv("SST/data/SST_merged_bdat.csv")</pre>
SST_long$frameRate <- as.character(SST_long$frameRate)</pre>
SST_long$run <- as.factor(SST_long$run)</pre>
# manually change 038's framerate
SST_long$frameRate[SST_long$participant == 38 & SST_long$run == 1] <- 24
SST_long <- SST_long %>% mutate(frameRate = case_when(
        frameRate < 40 ~ 24,
        frameRate > 50 ~ 60))
SST_long$frameRate <- as.factor(SST_long$frameRate)</pre>
# calculate corr go RT
SST_corr_go_rt <- SST_long %>% ungroup() %>%
  filter(trial_type == "go" & key_response.corr == 1) %>%
  group_by(participant, run) %>%
  summarise(go_correct_rt = 1000*mean(key_response.rt))
# calc stop err RT
SST_stop_err_rt <- SST_long %>% ungroup() %>%
 filter(trial_type == "stop" & key_response.corr == 0) %>%
 group_by(participant, run) %>%
```

Warning: Removed 150 rows containing non-finite values (stat_boxplot).



