

Probability and Conditional Probability: R functions

Introduction to Quantitative Social Science

Xiaolong Yang University of Tokyo

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More advanced function: Practice

```
sim_election_summary <- function(p, EV, n = 2048) {  
  sims <- map_dbl(seq_len(n), ~ sim_election(p, EV))  
  list(tibble(mean = mean(sims),  
              p025 = quantile(sims, prob = 0.025),  
              p975 = quantile(sims, prob = 0.975)))  
}
```

Tidyverse Functions

```
glimpse(starwars) ## transposed version of print(): allows to  
rbinom(x, size, prob) # random generation for the boolean dist  
if_else(condition, true, false, missing = NULL) ## similar to  
complete()  
arrange()  
group_by()  
fill()
```

ggplot functions

```
geom_vline()  
scale_fill_manual()  
ylab  
xlab ## modify axis
```