Use this as a guide to the lecture presentation and take notes on your own.

| Slide | Notes |
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| **Concept** | **R** | **Notes** |
| R language | Install.packages()  library()  glimpse()  tidyverse  data frame, tibble  ? help |  |
| Scatterplot – x-y plot | ggplot(),  geom\_point() |  |
| Trend line | geom\_smooth() |  |
| Over plotting | geom\_jitter()  Aesthetics: alpha |  |
| Categorical variables | facet\_wrap()  facet\_grid()  Aesthetics: color, shape |  |
| Subsets | head(), tail()  select()  filter()  arrange() |  |
| Code readability | %>% pipe  <- assignment  # comments |  |