

# Information Science 3

## Assignment4

Nobuoka Yuki (1240492)

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```
data <- read.csv("SSDSE-C-2022.csv")
data <- data[-c(1,2),] #いない行を消す
data <- data %>%
  select(SSDSE.C.2022, Prefecture, LB121202) %>%
  mutate(LB121202 = as.numeric(LB121202))
names(data) <- c("Code", "Prefecture", "Drinking_fee")
data <- data %>%
  mutate(Code = str_sub(Code, start = 2, end = 3),
         Code = as.numeric(Code))
```

```
Japan_Map <- ne_states("Japan", returnclass = "sf")
```

```
Japan_Map <- Japan_Map %>%
  mutate(Code = str_sub(iso_3166_2, start = 4),
         Code = as.numeric(Code))
```

```
Japan_Map <- left_join(Japan_Map, data, by = "Code")
```

```
Japan_Map %>%
  ggplot() +
  geom_sf(aes(fill = Drinking_fee)) +
  scale_fill_gradient(low = "white", high = "black") +
  labs(fill = "Drinking fee (yen)") +
  ggtitle("Drinking fee by prefecture")
```

