Dplyr vs Data. Table

Statistics 506, Fall 2017

Instructions

Consider the 2014 flights data used for the data.table examples. For each code snippet first provide a single-sentence summary of the value(s) being computed. Make your answer as concise and descriptive as possible.

Questions

1. Consider the following data.table expression:

```
tab1 =
nyc14[ , .(n = .N), by=.(origin, dest)] %>%
.[, .(origin, n = n, pct = n / sum(n)), by=dest] %>%
.[pct > .75] %>%
.[order(-pct, dest)]
```

- a. Provide a one-sentence summary of what is being computed.
- b. Provide a translation using dplyr syntax.
- 2. Consider the dplyr code snippet below.

```
tab2 =
nyc14 %>%
group_by(origin, dest, carrier) %>%
summarize(n = n()) %>%
filter(n >= 80) %>%
group_by(origin, carrier) %>%
summarize(n = n()) %>%
arrange(origin,-n)
```

- a. Provide a one-sentence summary of what is being computed.
- b. Provide a translation using data.table syntax.

3. Consider the R code snippet below.

- a. Provide a one-sentence summary of what is being computed.
- b. Provide a translation using data.table syntax.

c. Provide a translation using dplyr syntax.