covid

```
covid = read.csv("covid.csv")
```

```
colnames(covid) = c("date", "county", "state", "fips", "cases", "deaths")

covidSubset = covid %>%
  subset(,select = c(date, cases, deaths))


covidJoin = aggregate(.~date, data = covidSubset, FUN = sum)

covidTidy = covidJoin %>%
  mutate(mortalityRate = deaths/cases) %>%
  mutate(infectionDifference = cases - lag(cases))

head(covidTidy)
```

```
##        date    cases deaths mortalityRate infectionDifference
## 1  1/1/2021 20067339 347970    0.01734012                   NA
## 2 1/10/2021 22338892 374440    0.01676180              2271553
## 3 1/11/2021 22561487 376488    0.01668720               222595
## 4 1/12/2021 22790259 380894    0.01671302               228772
## 5 1/13/2021 23019368 384824    0.01671740               229109
## 6 1/14/2021 23257786 388804    0.01671715               238418
```