

MTFC

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```
df = read_excel("death_data.xlsx")

attach(df)

df = df[c(-3)]
colnames(df)[2] = "cause_death"

ten = df %>% group_by(cause_death) %>%
  summarize(
    total_deaths = sum(Deaths)
  )

df = df %>% group_by(Year, cause_death) %>%
  summarize(
    total_deaths = sum(Deaths)
  )
```

```
## 'summarise()' has grouped output by 'Year'. You can override using the
## '.groups' argument.
```

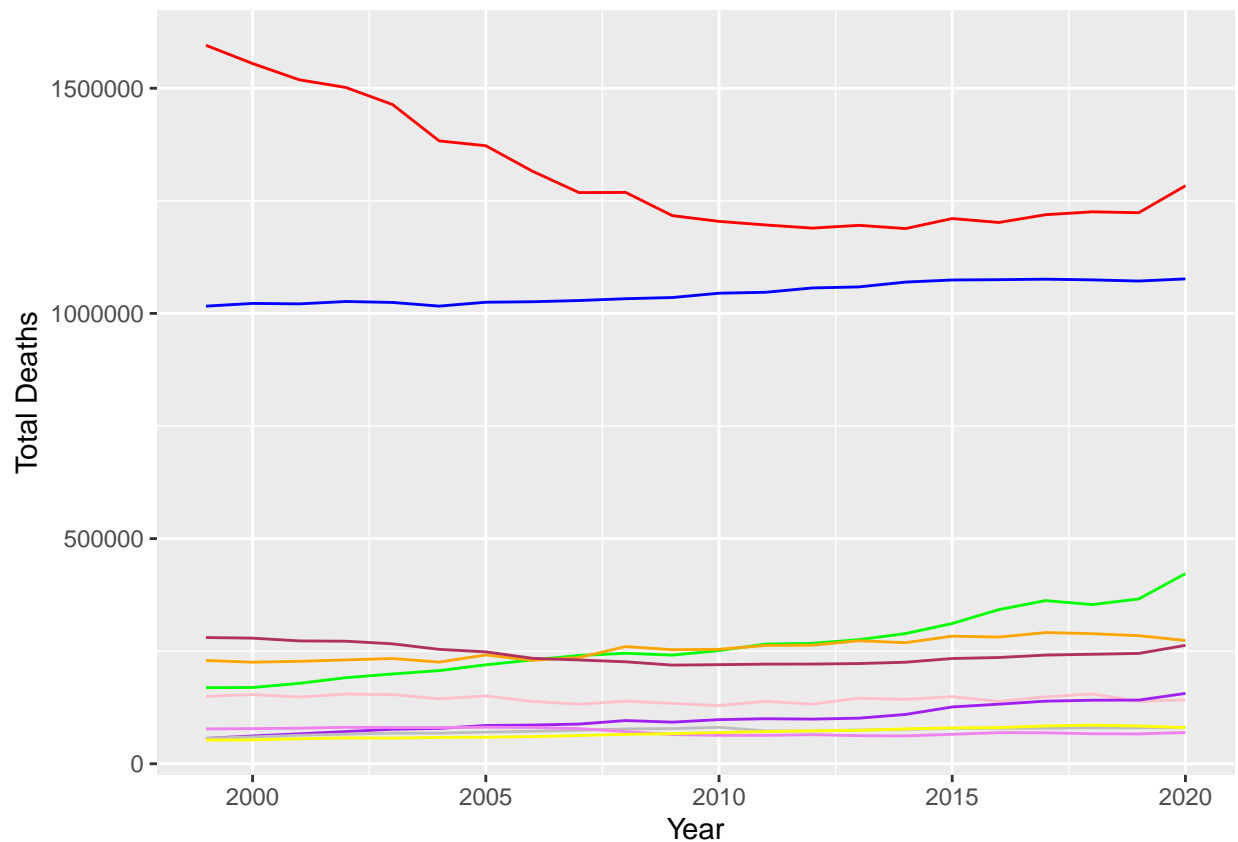
```
ten = ten[order(-ten$total_deaths),]
ten = ten[c(1:10),]

df <- data.frame(df)

heart = df[df$cause_death == "Diseases of heart (I00-I09,I11,I13,I20-I51)",]
neo = df[df$cause_death == "Malignant neoplasms (C00-C97)",]
acc = df[df$cause_death == "Accidents (unintentional injuries) (V01-X59,Y85-Y86)",]
chron = df[df$cause_death == "Chronic lower respiratory diseases (J40-J47)",]
cere = df[df$cause_death == "Cerebrovascular diseases (I60-I69)",]
infl = df[df$cause_death == "Influenza and pneumonia (J09-J18)",]
alz = df[df$cause_death == "Alzheimer's disease (G30)",]
neph = df[df$cause_death == "Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)",]
tran = df[df$cause_death == "Transport accidents (V01-V99,Y85)",]
sui = df[df$cause_death == "Intentional self-harm (suicide) (*U03,X60-X84,Y87.0)",]

ggplot() +
  geom_line(data = heart, aes(Year, total_deaths), color = "red")+
  geom_line(data = neo, aes(Year, total_deaths), color = "blue")+
  geom_line(data = acc, aes(Year, total_deaths), color = "green")+
  geom_line(data = chron, aes(Year, total_deaths), color = "orange")+
```

```
geom_line(data = cere, aes(Year, total_deaths), color = "maroon")+
geom_line(data = infl, aes(Year, total_deaths), color = "pink")+
geom_line(data = alz, aes(Year, total_deaths), color = "purple")+
geom_line(data = neph, aes(Year, total_deaths), color = "gray")+
geom_line(data = tran, aes(Year, total_deaths), color = "violet")+
geom_line(data = sui, aes(Year, total_deaths), color = "yellow")+
xlab("Year")+
ylab("Total Deaths")
```



```
ggplot() +
  geom_line(data = acc, aes(Year, total_deaths), color = "green")+
  geom_line(data = chron, aes(Year, total_deaths), color = "orange")+
  geom_line(data = cere, aes(Year, total_deaths), color = "maroon")+
  geom_line(data = infl, aes(Year, total_deaths), color = "pink")+
  geom_line(data = alz, aes(Year, total_deaths), color = "purple")+
  geom_line(data = neph, aes(Year, total_deaths), color = "gray")+
  geom_line(data = tran, aes(Year, total_deaths), color = "violet")+
  geom_line(data = sui, aes(Year, total_deaths), color = "yellow")+
  xlab("Year")+
  ylab("Total Deaths")
```

