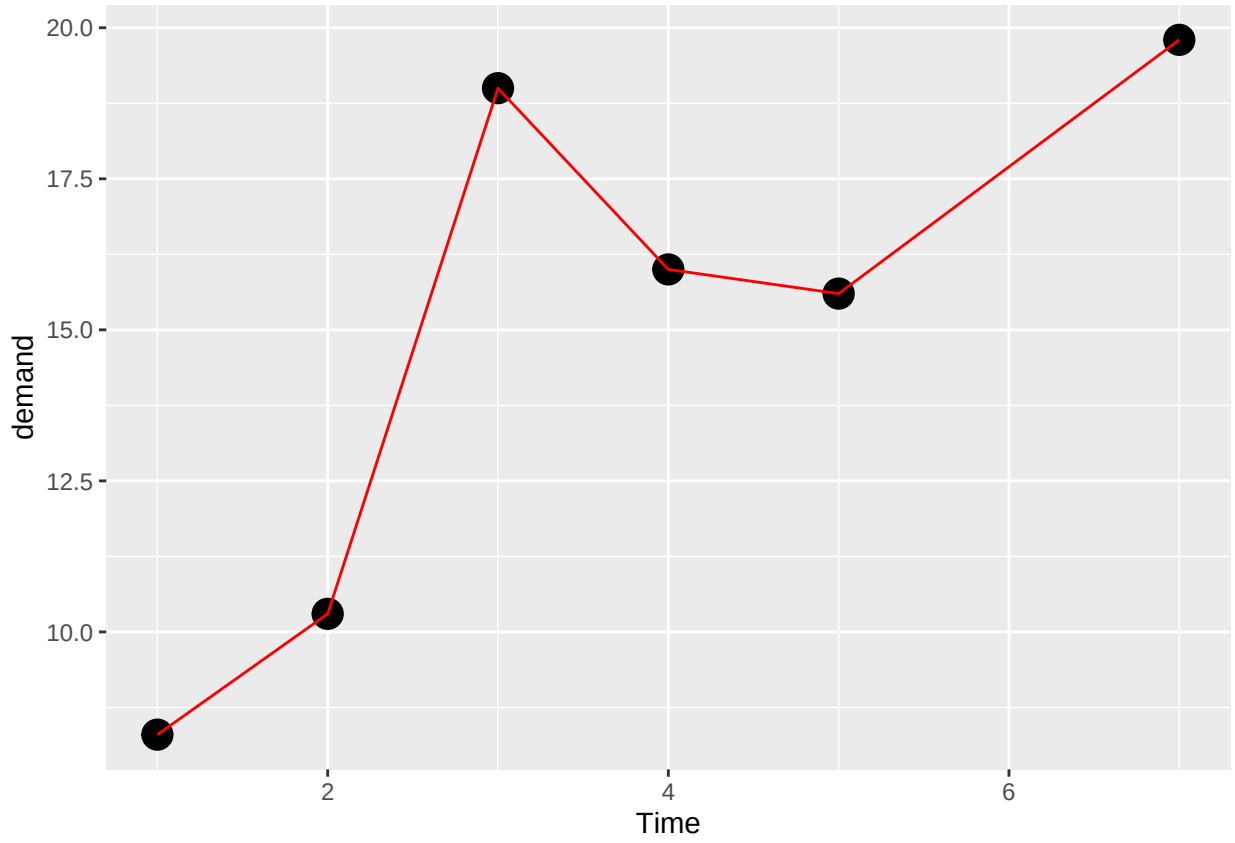
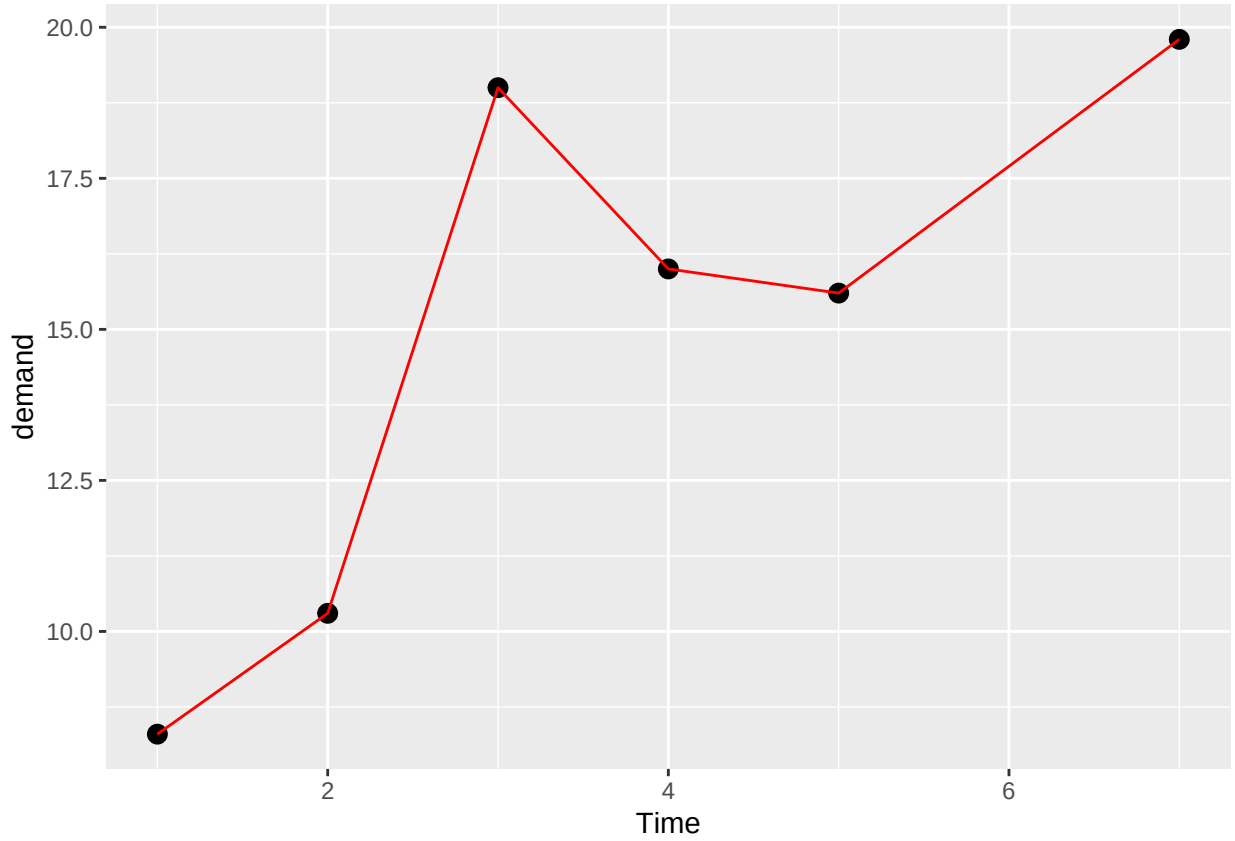
```
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
## v dplyr     1.1.4     v readr     2.1.5
## v forcats   1.0.0     v stringr   1.5.1
## v ggplot2   3.4.4     v tibble    3.2.1
## v lubridate 1.9.3     v tidyr     1.3.0
## v purrr     1.0.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
ggplot(data=BOD, mapping = aes(x=Time, y=demand))+
  geom_point(size=5)+
  geom_line(colour="red")
```

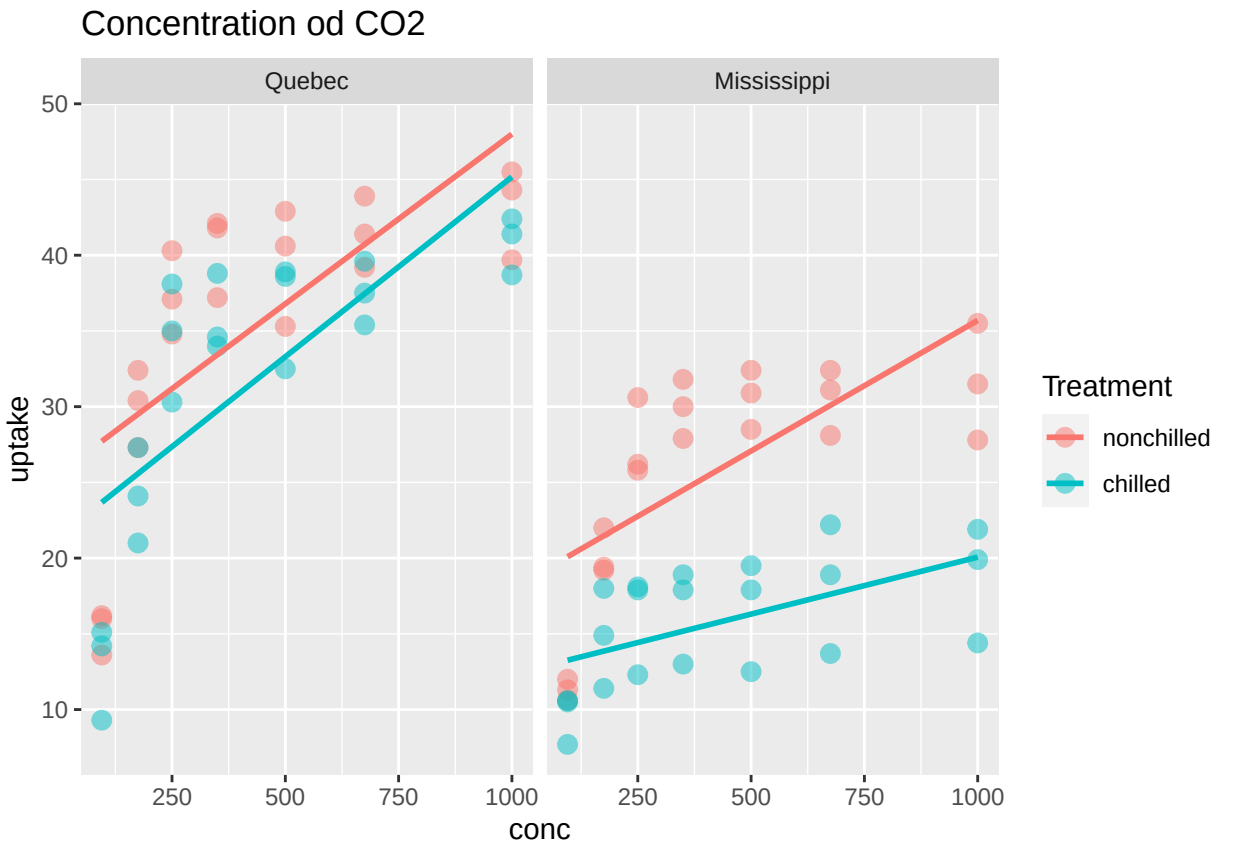



```
ggplot(BOD, aes(Time,demand))+
  geom_point(size=3)+
  geom_line(colour="red")
```

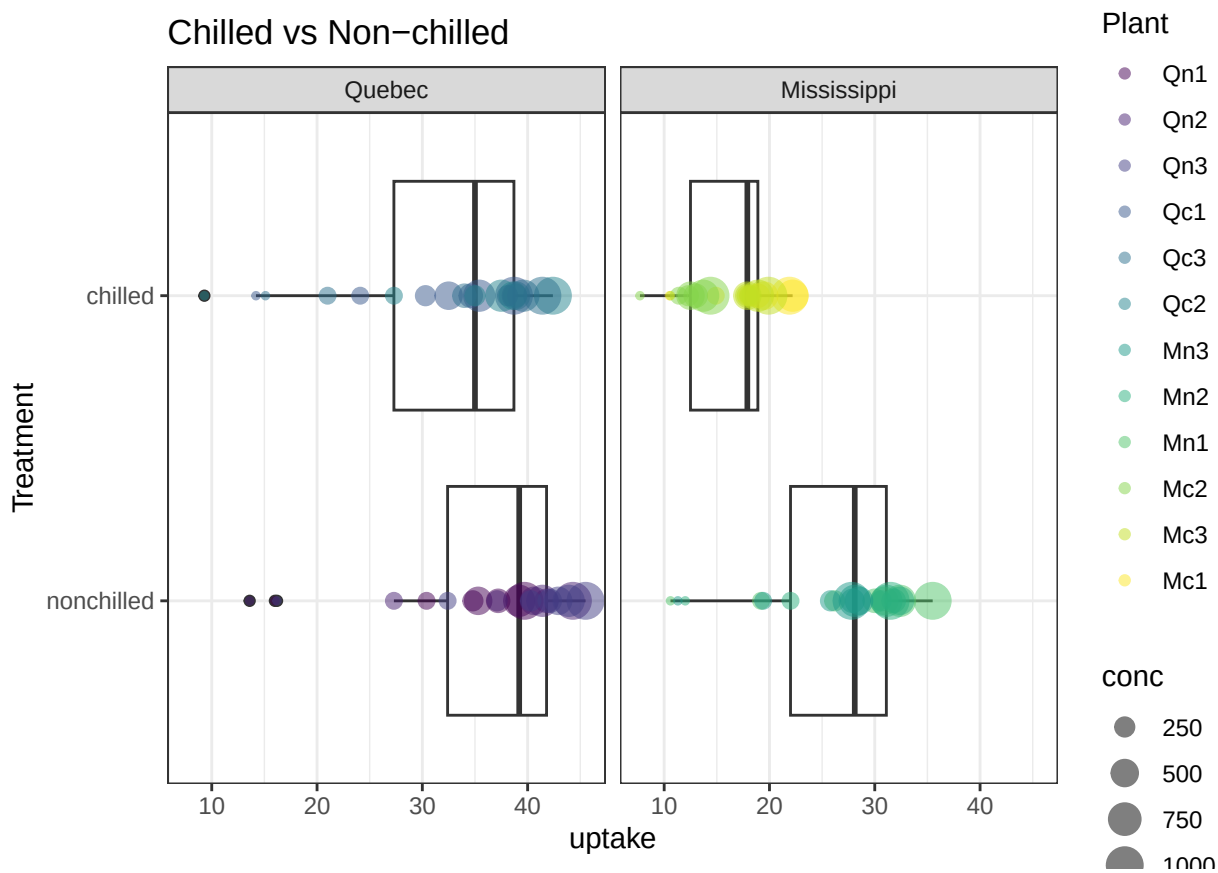



```
CO2 %>%
  ggplot(aes(conc, uptake,
             colour=Treatment))+
  geom_point(size=3, alpha=0.5)+
  geom_smooth(method=lm, se=F)+
  facet_wrap(~Type)+
  labs(title="Concentration od CO2")
```

```
## `geom_smooth()` using formula = 'y ~ x'
```



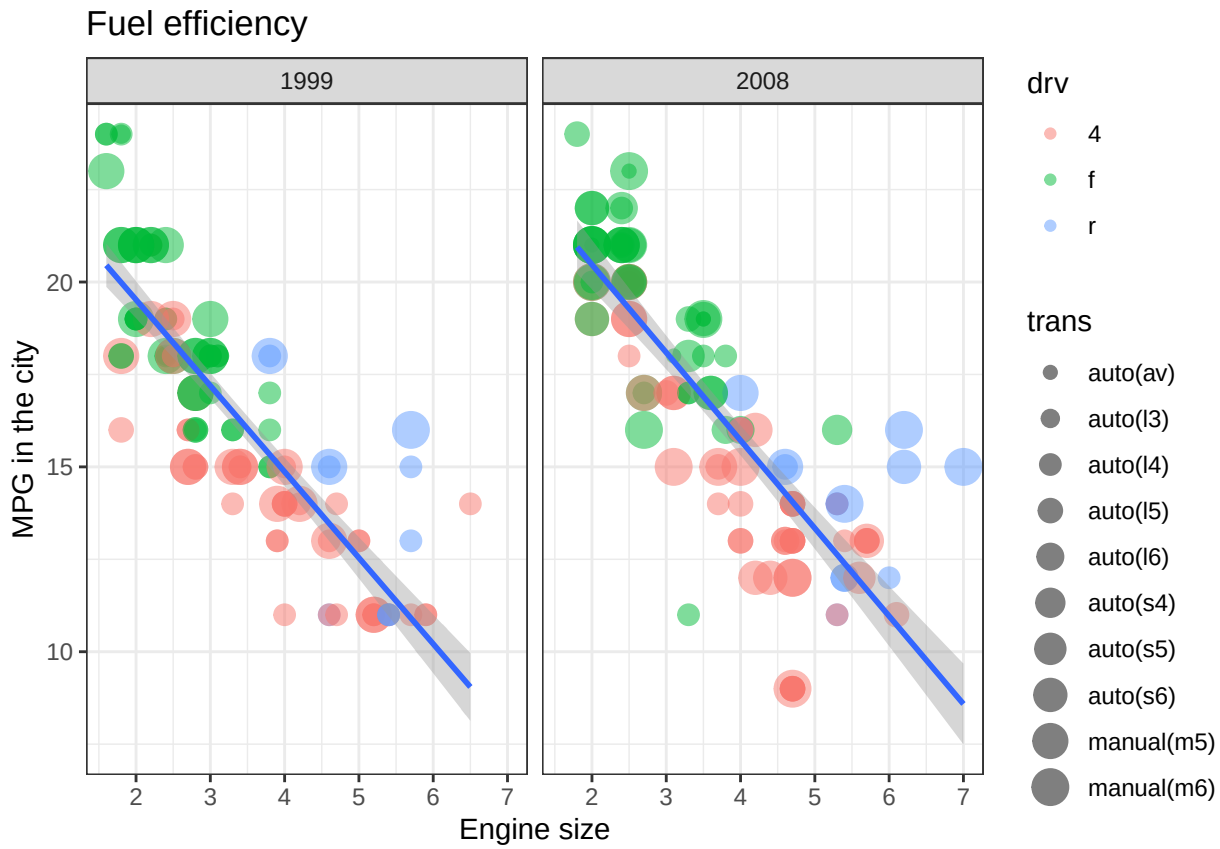

```
CO2 %>%
  ggplot(aes(Treatment, uptake))+
  geom_boxplot()+
  geom_point(alpha=0.5, aes(size=conc, colour=Plant))+
  facet_wrap(~Type)+
  coord_flip()+
  theme_bw()+
  labs(title="Chilled vs Non-chilled")
```




```
mpg %>%
  filter(cty<25) %>%
  ggplot(aes(displ,cty))+
  geom_point(aes(colour=drv, size=trans),alpha=0.5)+
  geom_smooth(method=lm)+
  facet_wrap(~year, nrow=1)+
  labs(x= "Engine size",
       y="MPG in the city",
       title="Fuel efficiency")+
  theme_bw()
```

```
## Warning: Using size for a discrete variable is not advised.
```

```
## `geom_smooth()` using formula = 'y ~ x'
```


Fuel efficiency
1999
2008
MPG in the city
Engine size
drv
4
f
r
trans
auto(av)
auto(l3)
auto(l4)
auto(l5)
auto(l6)
auto(s4)
auto(s5)
auto(s6)
manual(m5)
manual(m6)