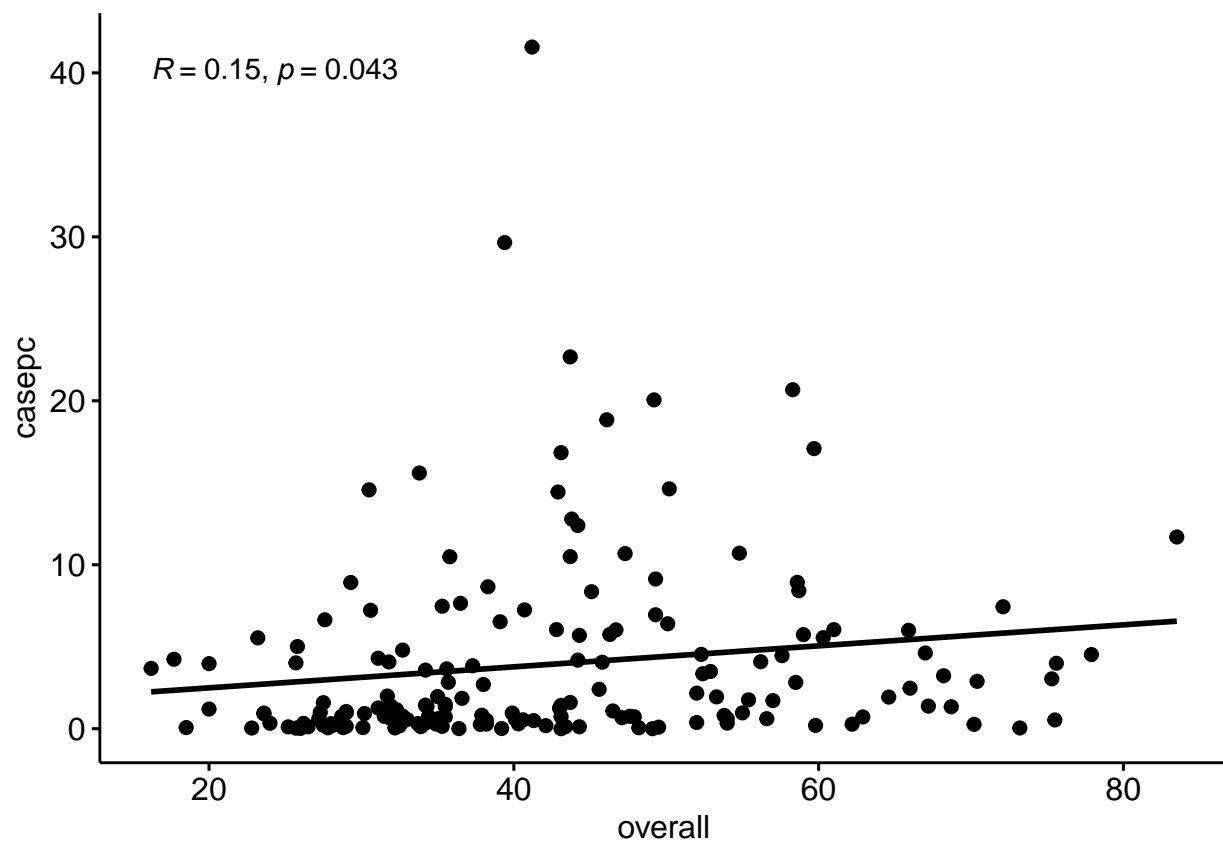


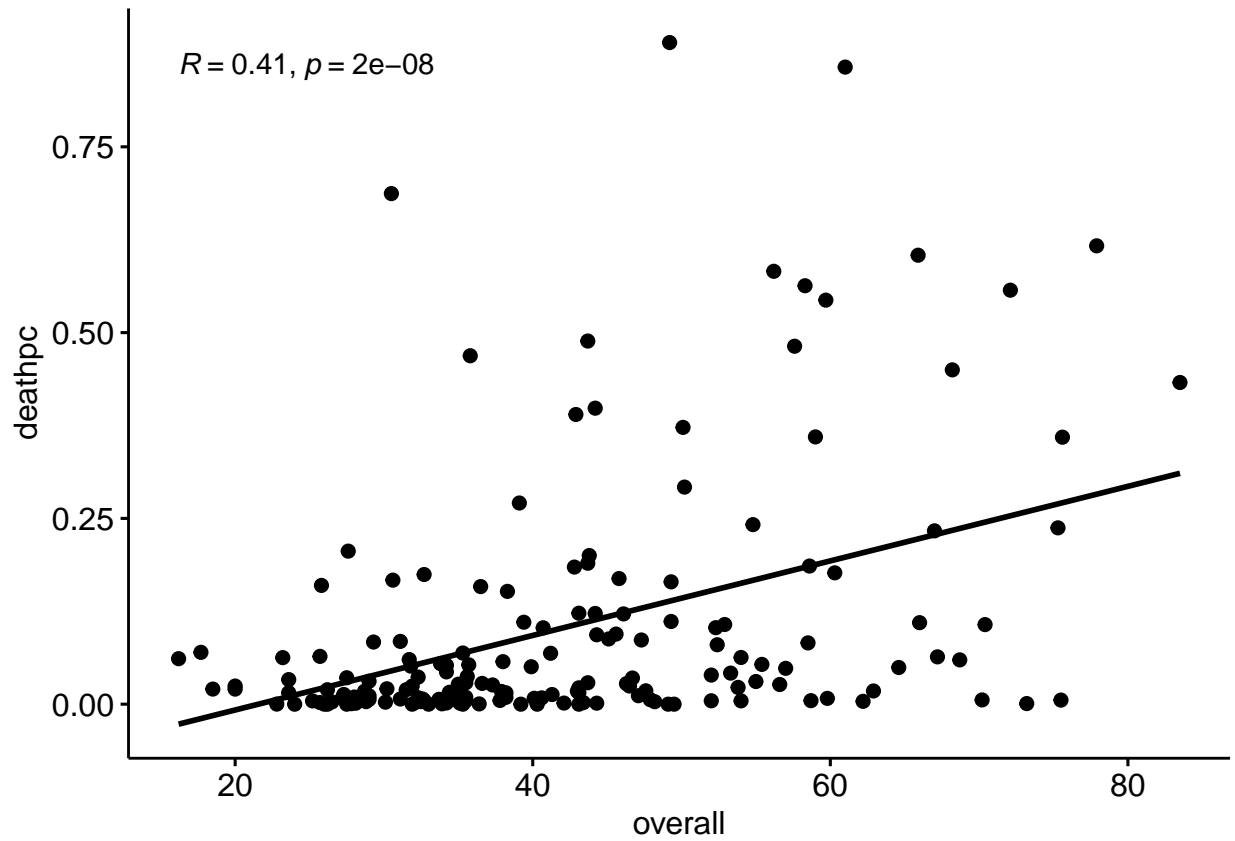
Cumulative Indicator Scatterplots: 180-Day After First Case

```
library(tidyverse)
library(lubridate)
library('ggpubr')
cumulative_data_180day=na.omit(read.csv("../prepped_data\\sixmonth.csv", check.names = FALSE))
```

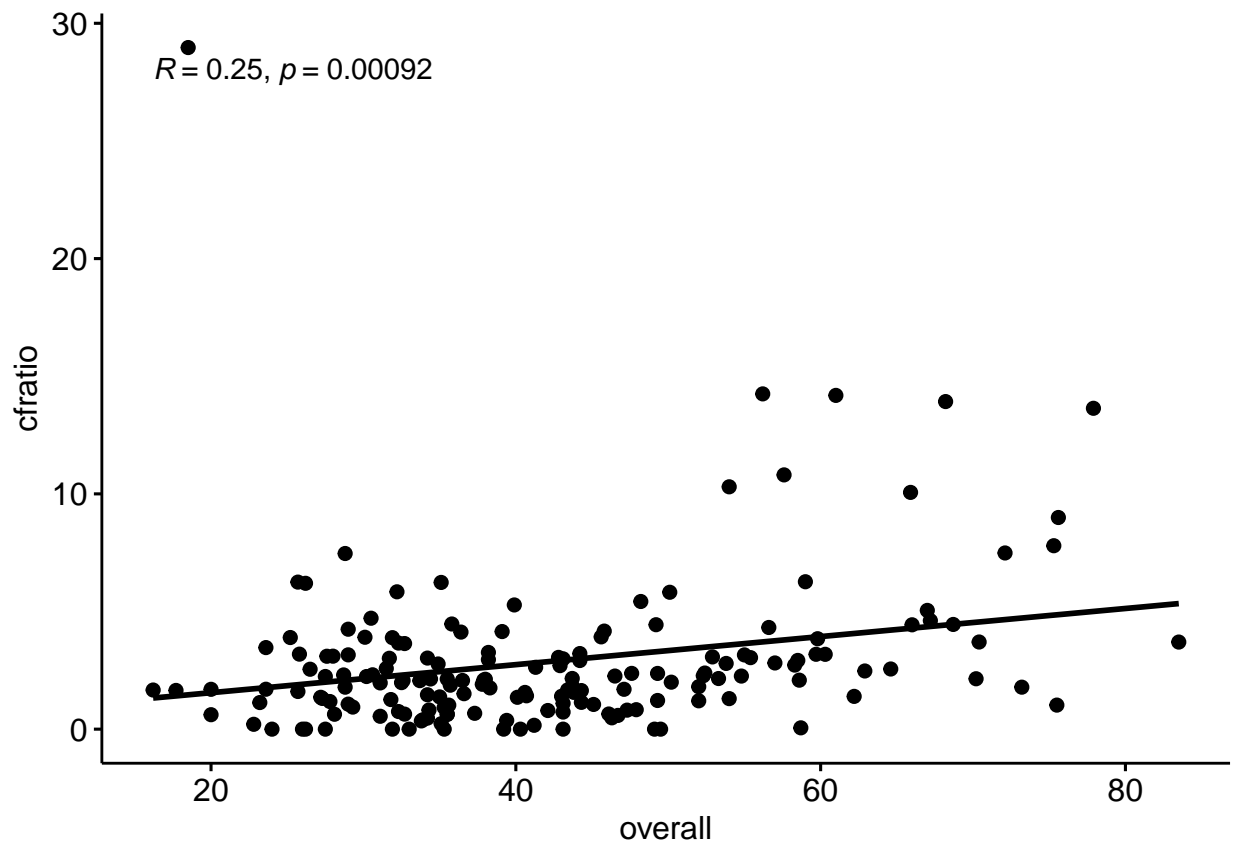
```
ggscatter(cumulative_data_180day,x='overall',y='casepc',
          add='reg.line',cor.coef=TRUE,cor.method='pearson',
          xlab='overall',ylab='casepc')
```



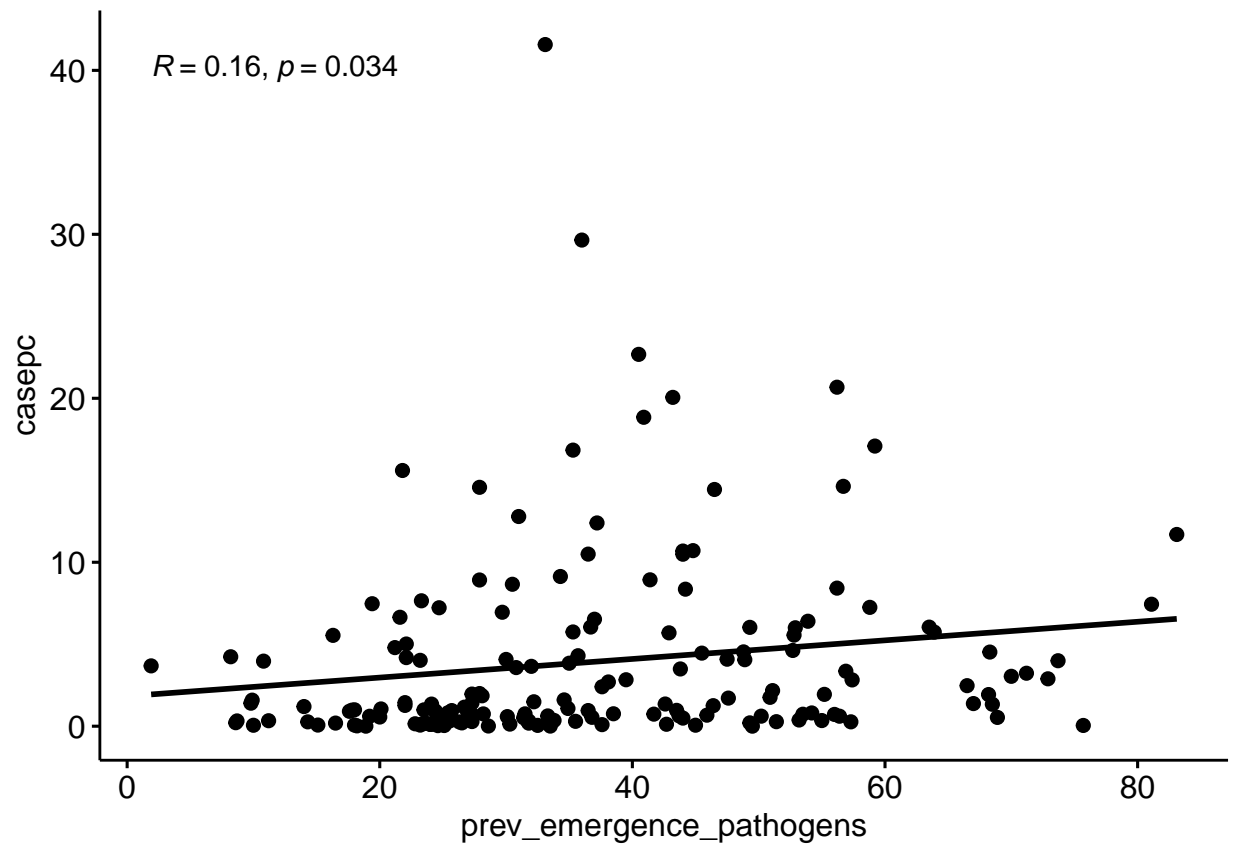
```
ggscatter(cumulative_data_180day,x='overall',y='deathpc',  
          add='reg.line',cor.coef=TRUE,cor.method='pearson',  
          xlab='overall',ylab='deathpc')
```



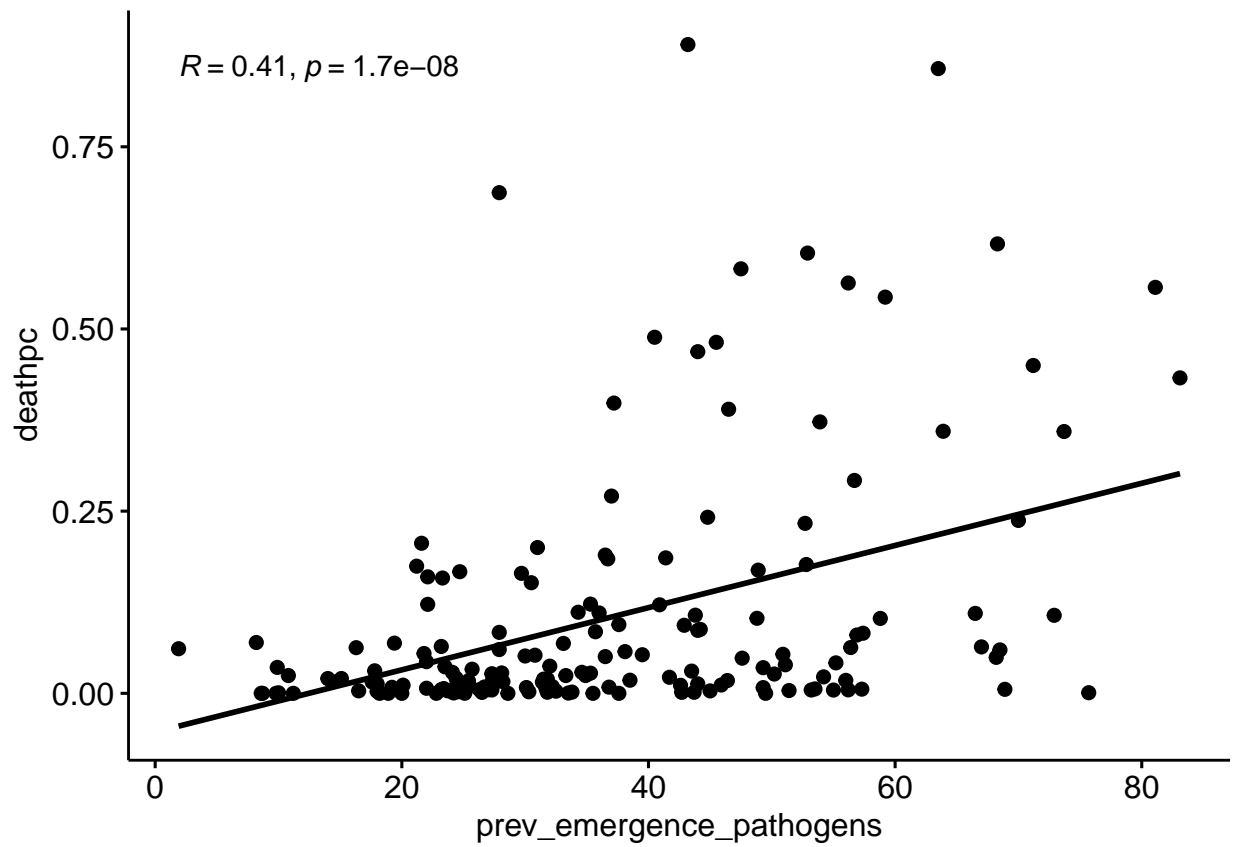
```
ggscatter(cumulative_data_180day,x='overall',y='cfratio',  
          add='reg.line',cor.coef=TRUE,cor.method='pearson',  
          xlab='overall',ylab='cfratio')
```



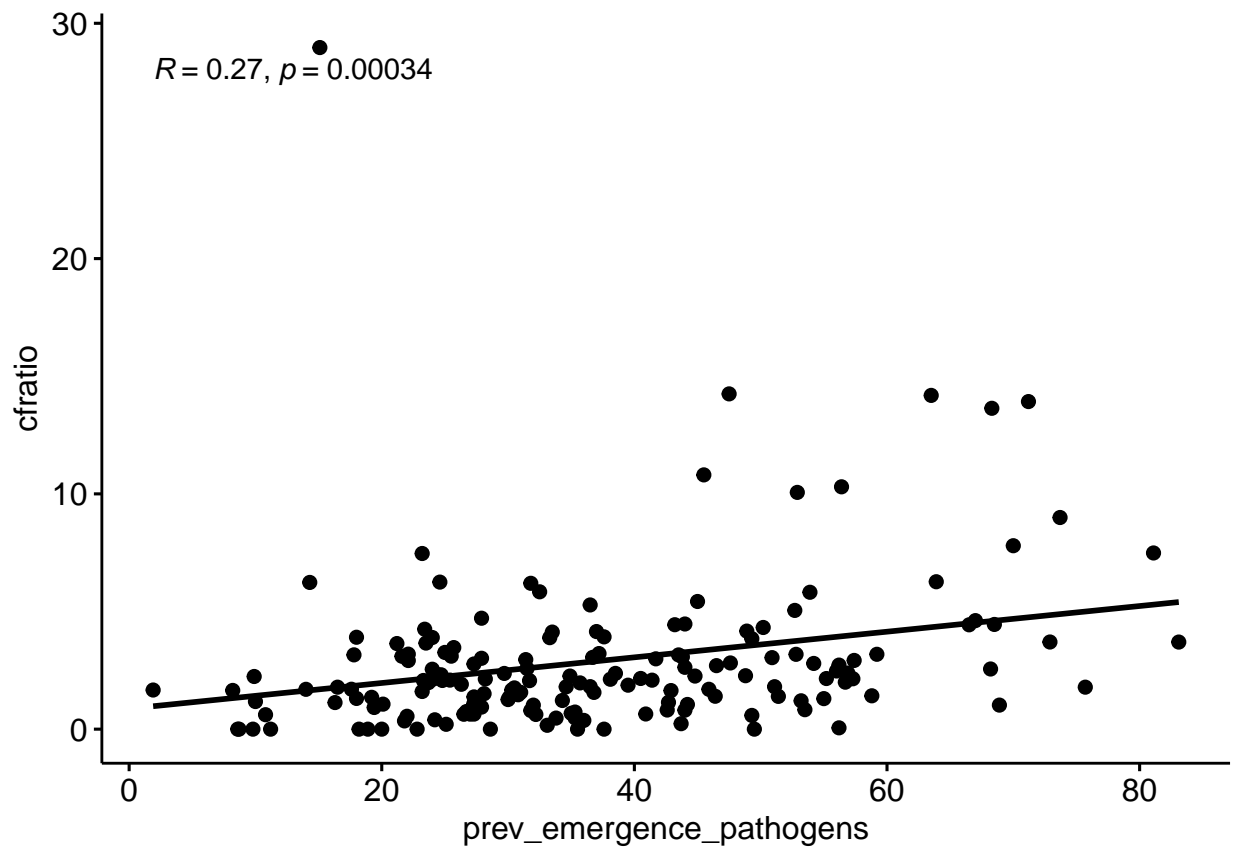
```
ggscatter(cumulative_data_180day,x='prev_emergence_pathogens',y='casepc',  
         add='reg.line',cor.coef=TRUE,cor.method='pearson',  
         xlab='prev_emergence_pathogens',ylab='casepc')
```



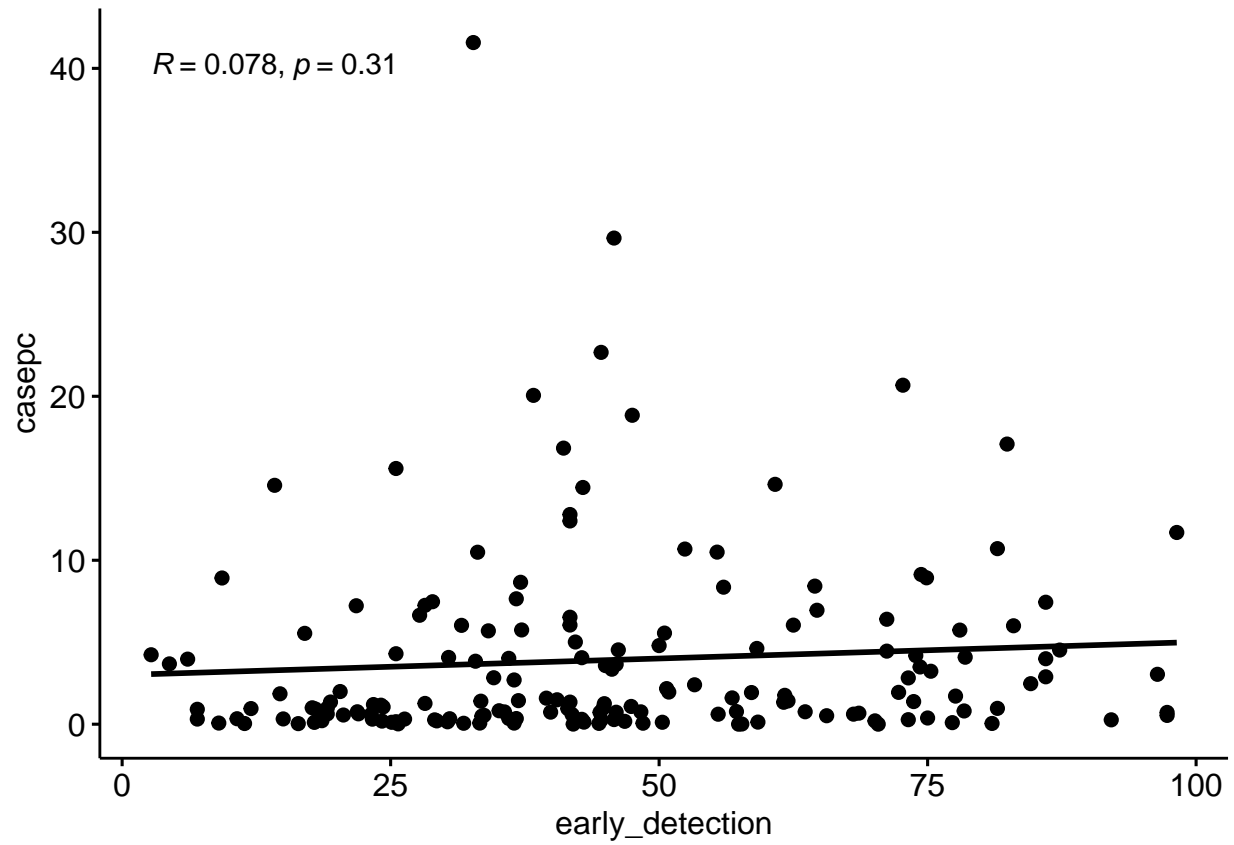
```
ggscatter(cumulative_data_180day,x='prev_emergence_pathogens',y='deathpc',  
         add='reg.line',cor.coef=TRUE,cor.method='pearson',  
         xlab='prev_emergence_pathogens',ylab='deathpc')
```



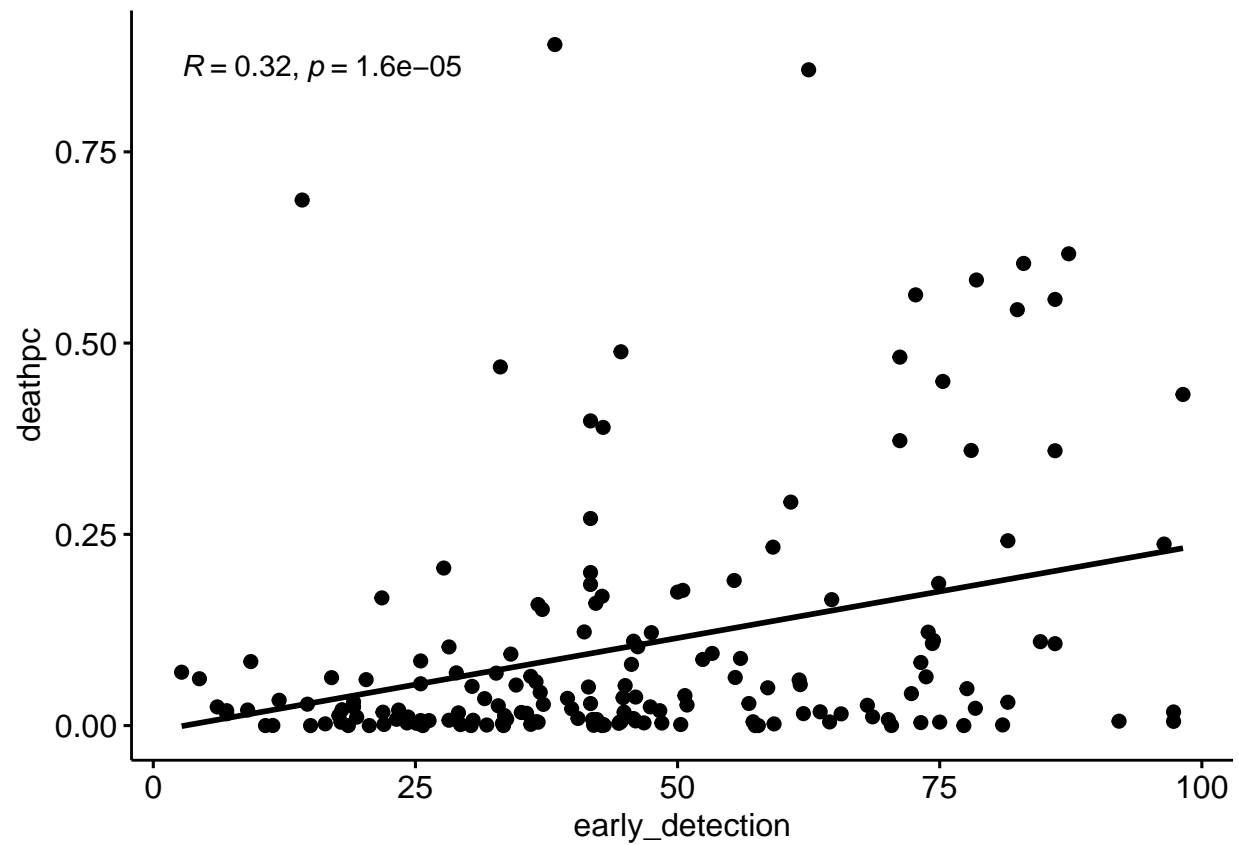
```
ggscatter(cumulative_data_180day,x='prev_emergence_pathogens',y='cfratio',  
         add='reg.line',cor.coef=TRUE,cor.method='pearson',  
         xlab='prev_emergence_pathogens',ylab='cfratio')
```



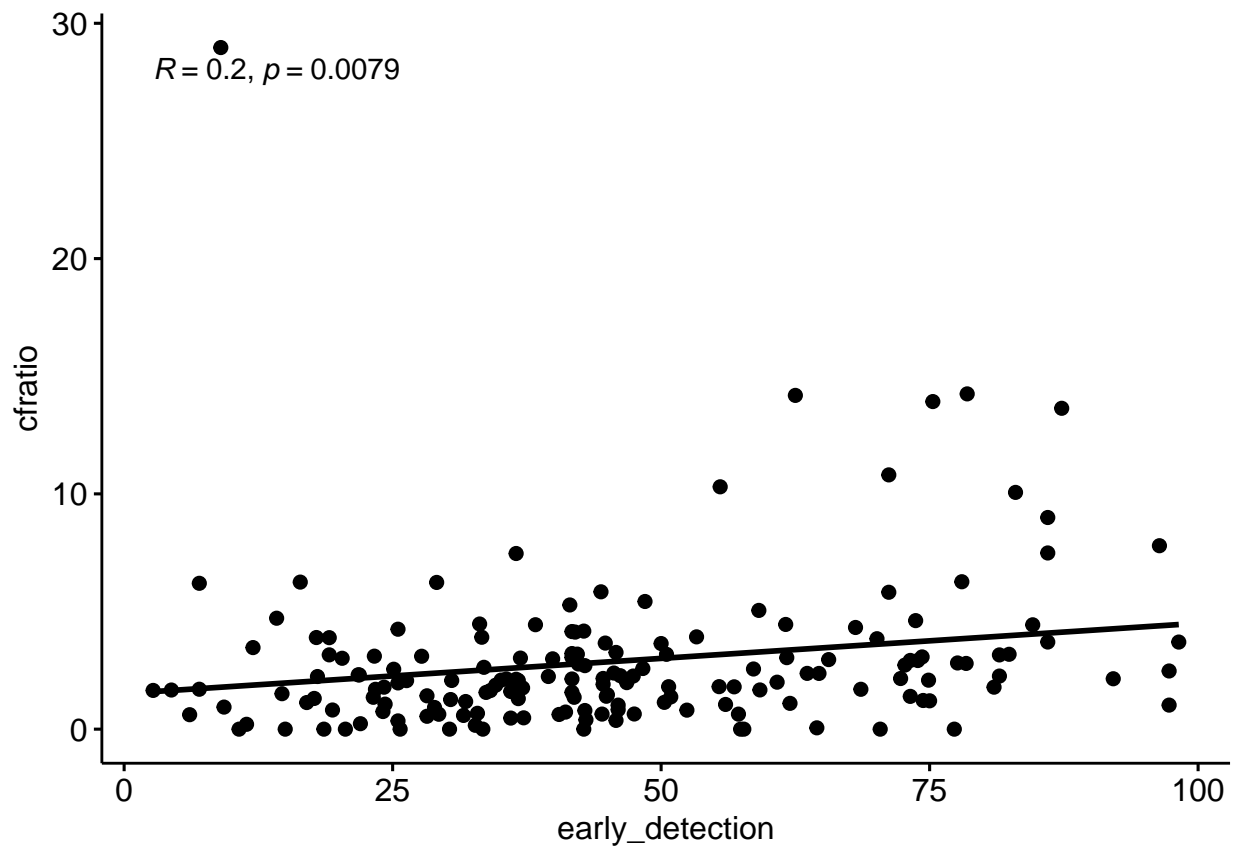
```
ggscatter(cumulative_data_180day,x='early_detection',y='casepc',  
          add='reg.line',cor.coef=TRUE,cor.method='pearson',  
          xlab='early_detection',ylab='casepc')
```



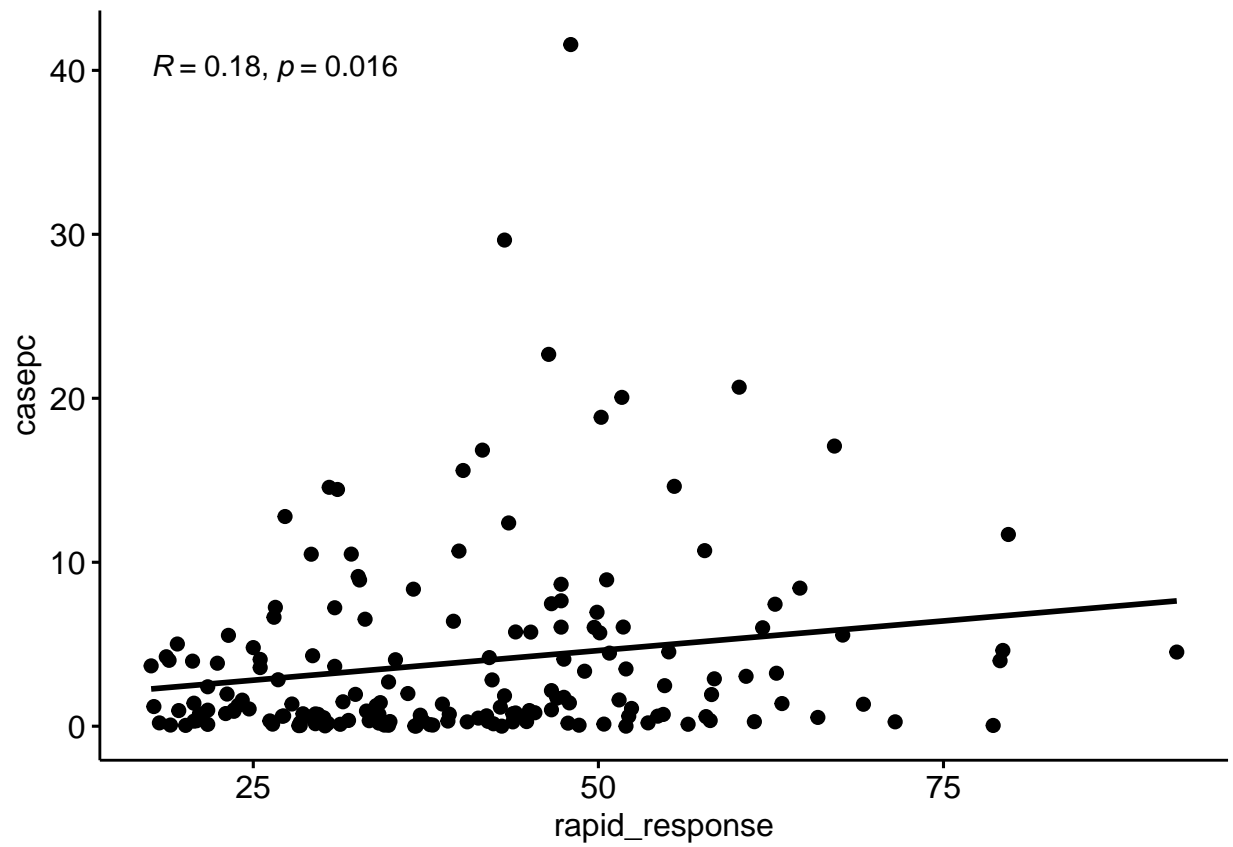
```
ggscatter(cumulative_data_180day,x='early_detection',y='deathpc',  
          add='reg.line',cor.coef=TRUE,cor.method='pearson',  
          xlab='early_detection',ylab='deathpc')
```



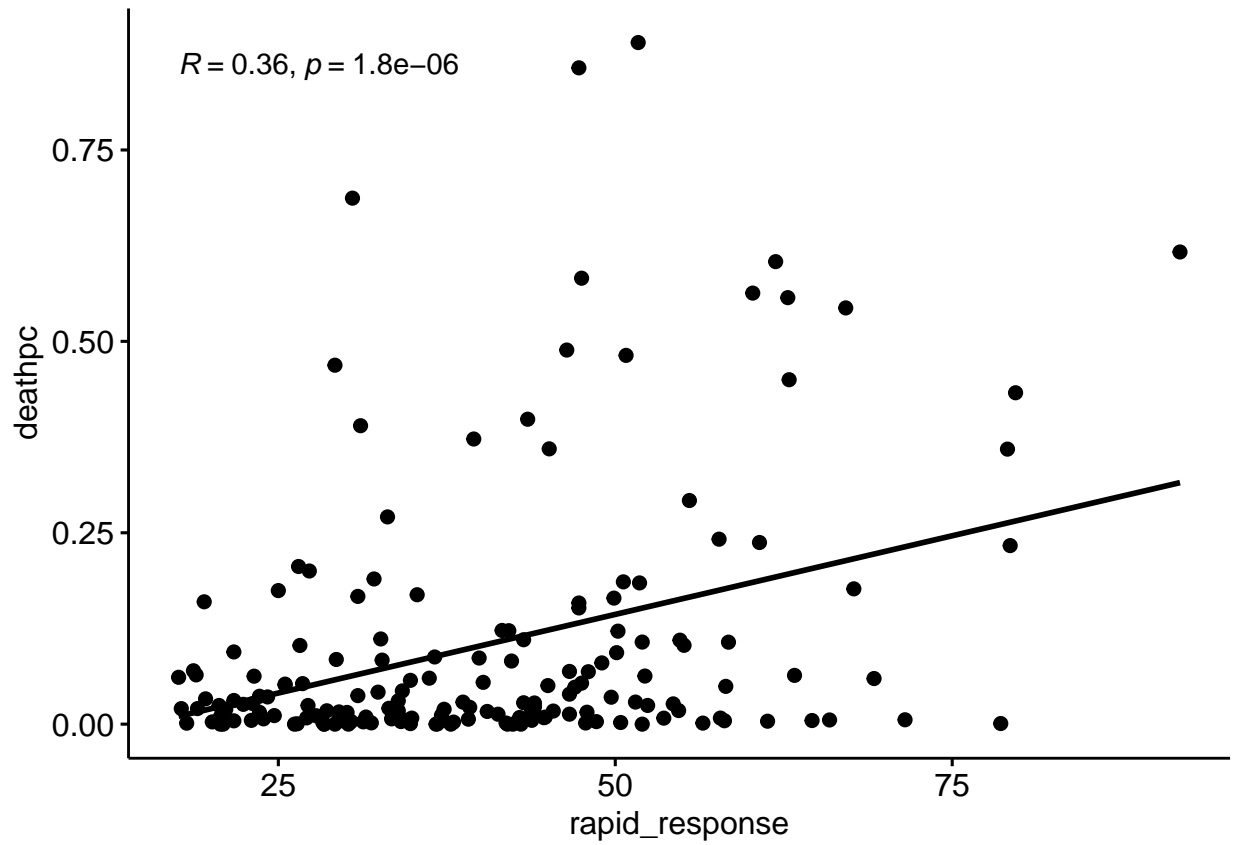

```
ggscatter(cumulative_data_180day,x='early_detection',y='cfratio',  
          add='reg.line',cor.coef=TRUE,cor.method='pearson',  
          xlab='early_detection',ylab='cfratio')
```



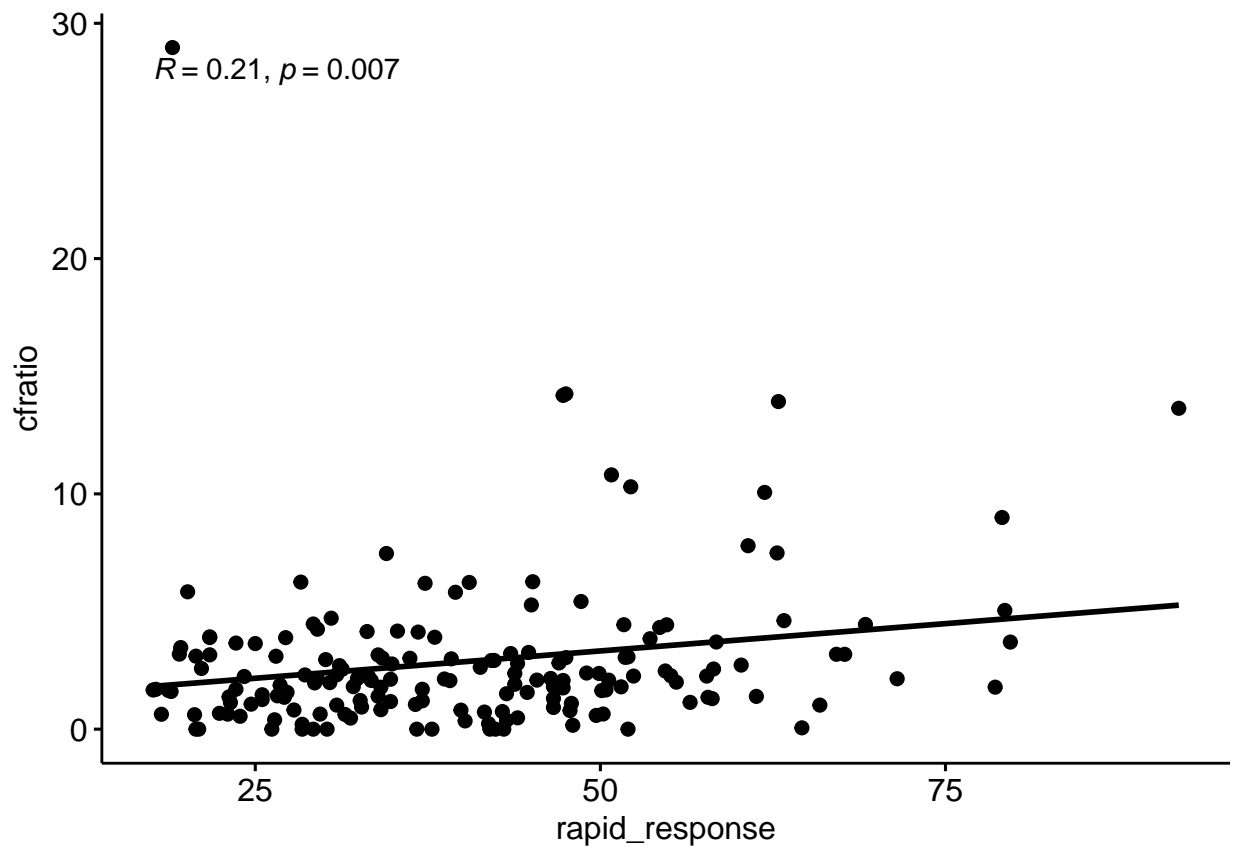
```
ggscatter(cumulative_data_180day,x='rapid_response',y='casepc',  
          add='reg.line',cor.coef=TRUE,cor.method='pearson',  
          xlab='rapid_response',ylab='casepc')
```



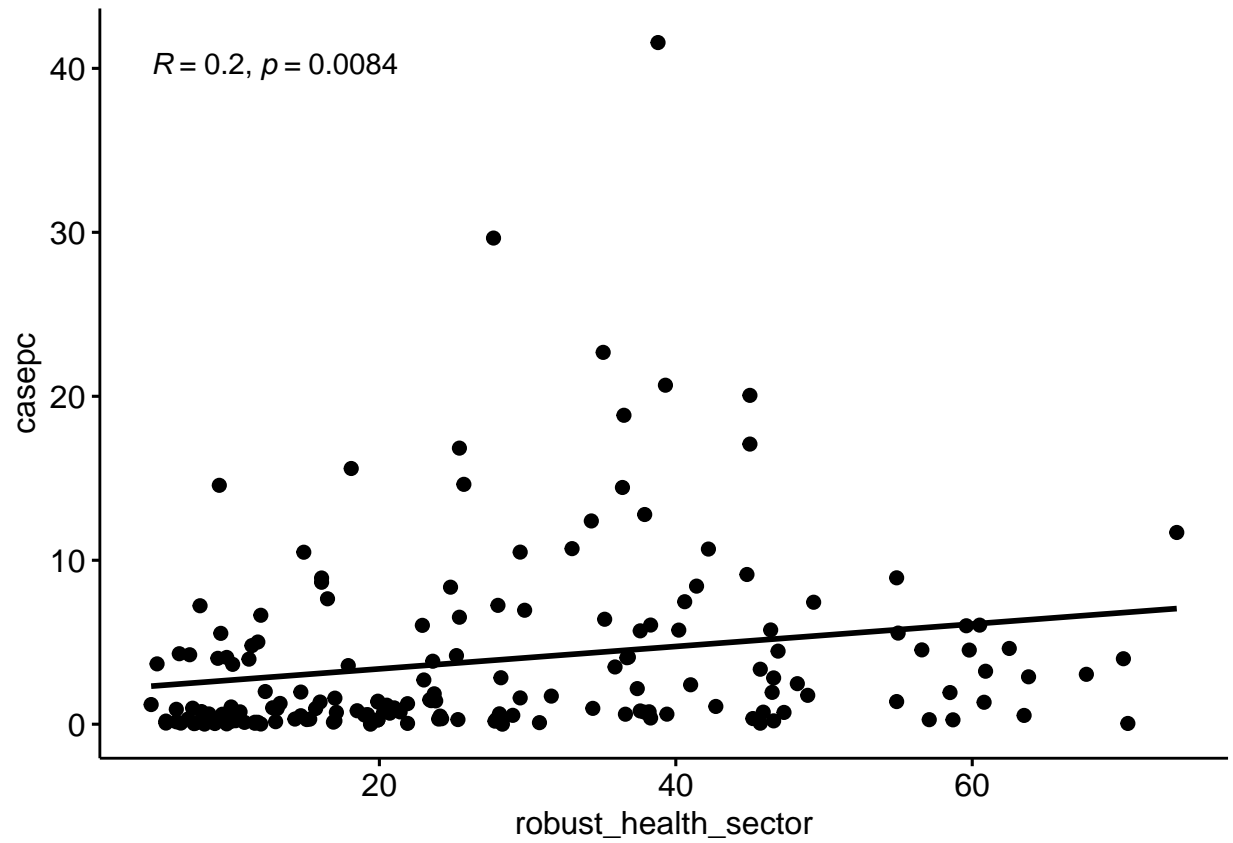
```
ggscatter(cumulative_data_180day,x='rapid_response',y='deathpc',  
         add='reg.line',cor.coef=TRUE,cor.method='pearson',  
         xlab='rapid_response',ylab='deathpc')
```



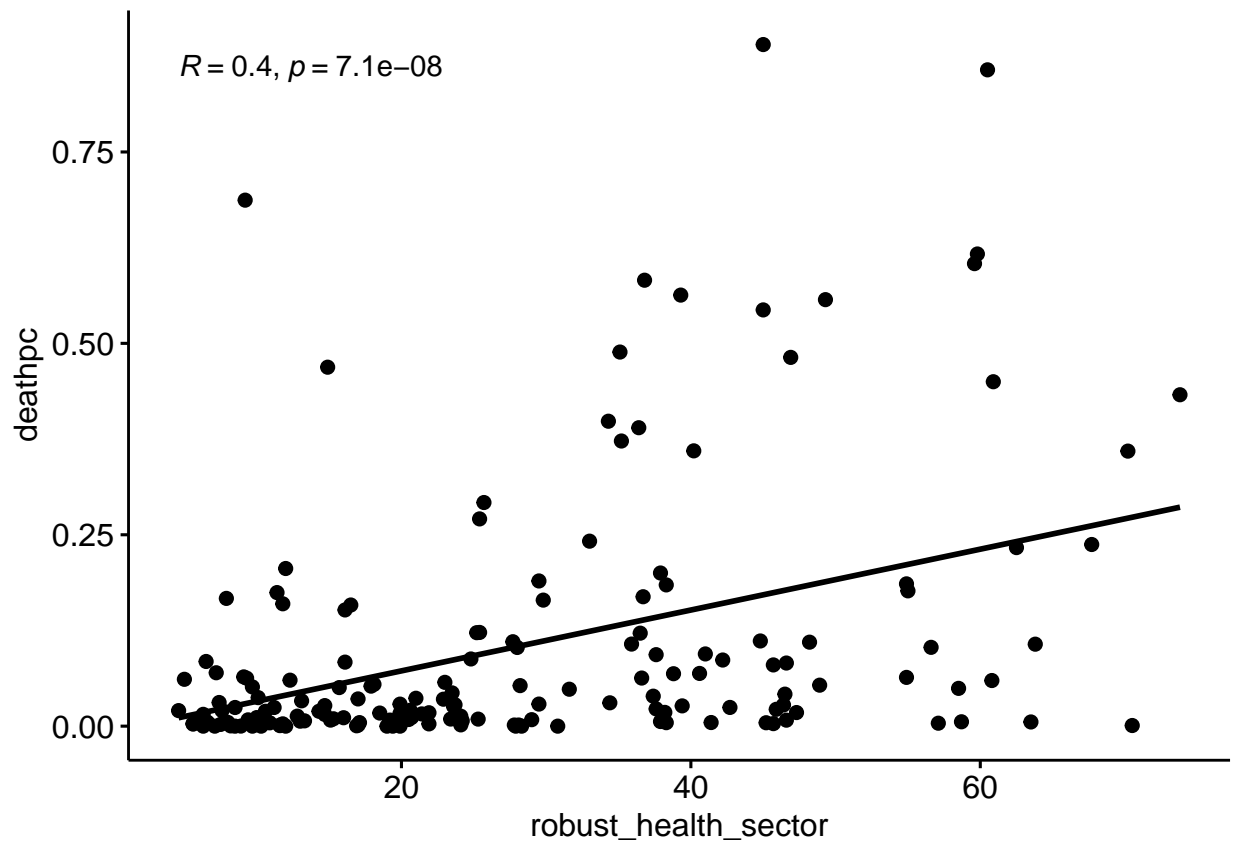
```
ggscatter(cumulative_data_180day,x='rapid_response',y='cfratio',  
         add='reg.line',cor.coef=TRUE,cor.method='pearson',  
         xlab='rapid_response',ylab='cfratio')
```



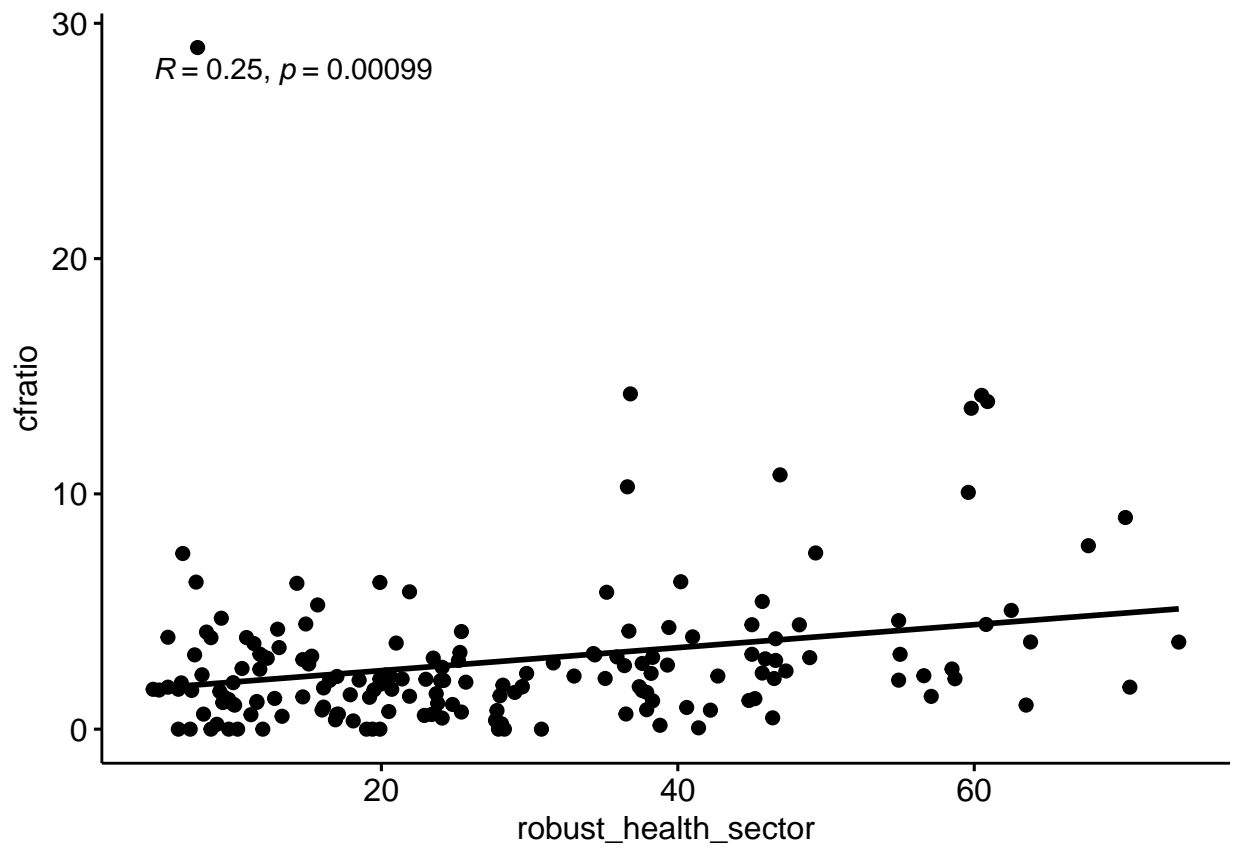
```
ggscatter(cumulative_data_180day,x='robust_health_sector',y='casepc',  
          add='reg.line',cor.coef=TRUE,cor.method='pearson',  
          xlab='robust_health_sector',ylab='casepc')
```



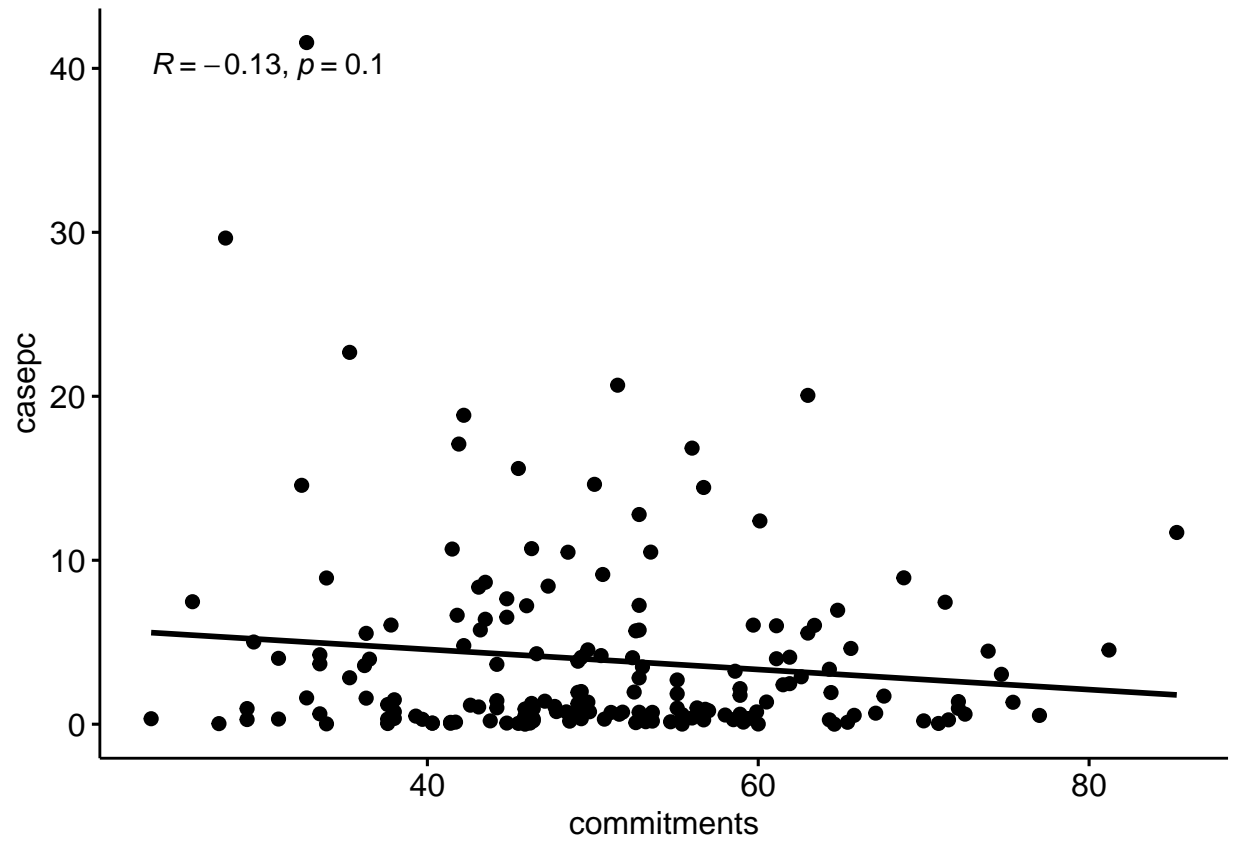
```
ggscatter(cumulative_data_180day,x='robust_health_sector',y='deathpc',  
          add='reg.line',cor.coef=TRUE,cor.method='pearson',  
          xlab='robust_health_sector',ylab='deathpc')
```



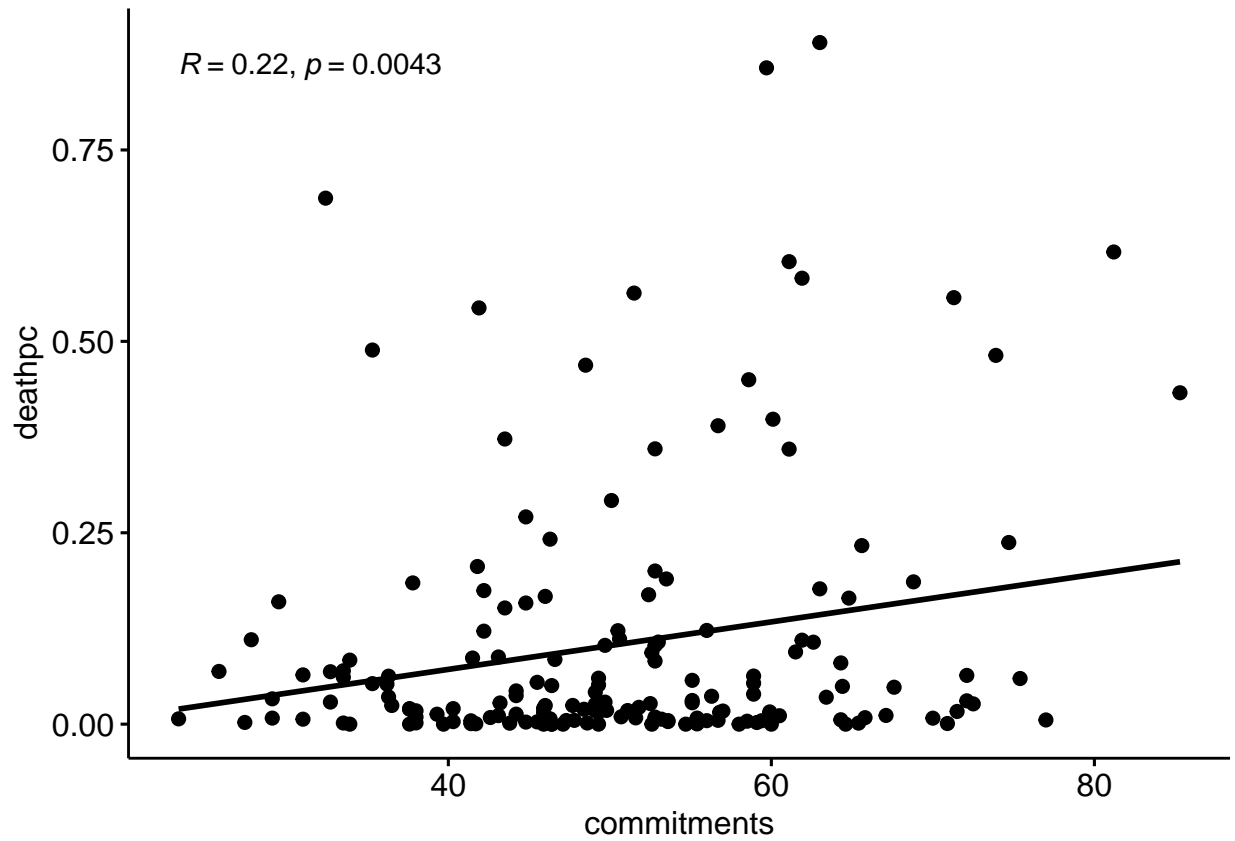
```
ggscatter(cumulative_data_180day,x='robust_health_sector',y='cfratio',  
         add='reg.line',cor.coef=TRUE,cor.method='pearson',  
         xlab='robust_health_sector',ylab='cfratio')
```



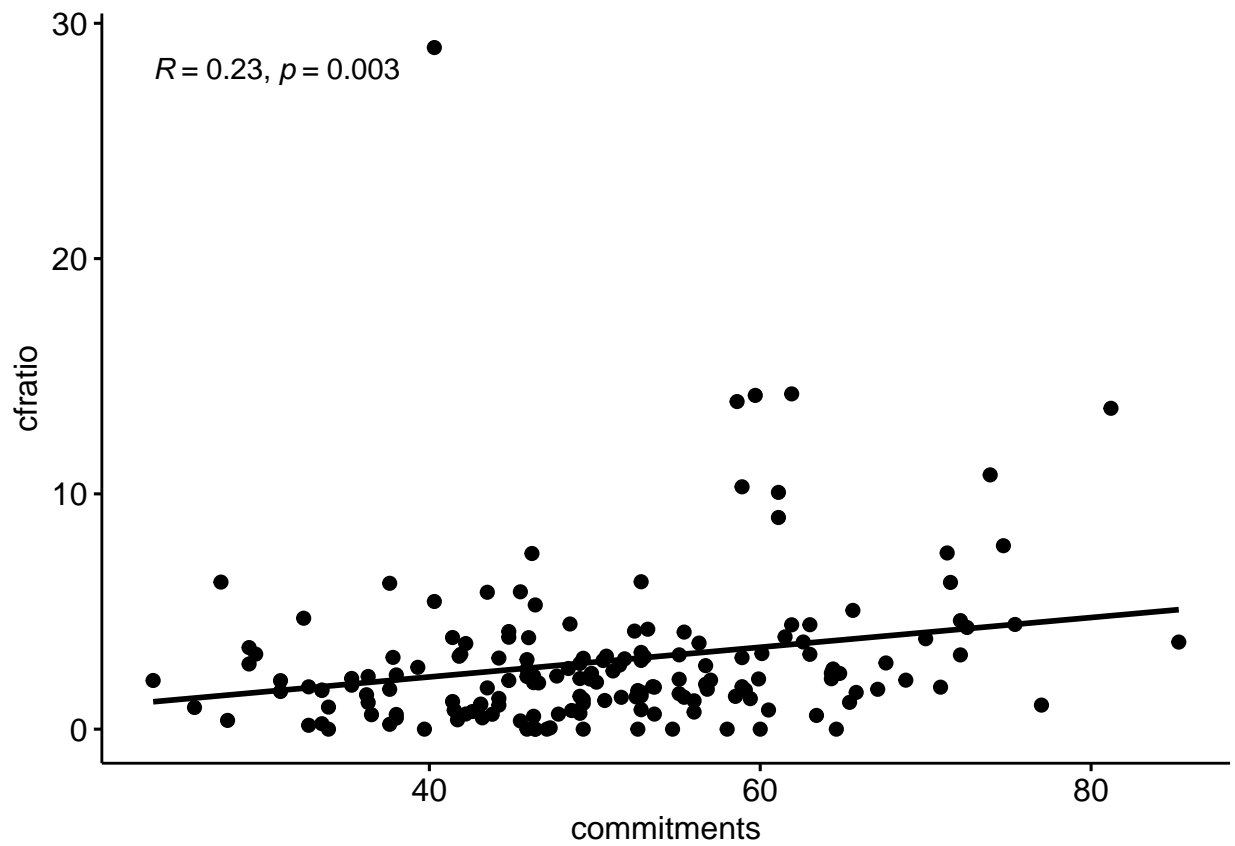
```
ggscatter(cumulative_data_180day,x='commitments',y='casepc',  
         add='reg.line',cor.coef=TRUE,cor.method='pearson',  
         xlab='commitments',ylab='casepc')
```



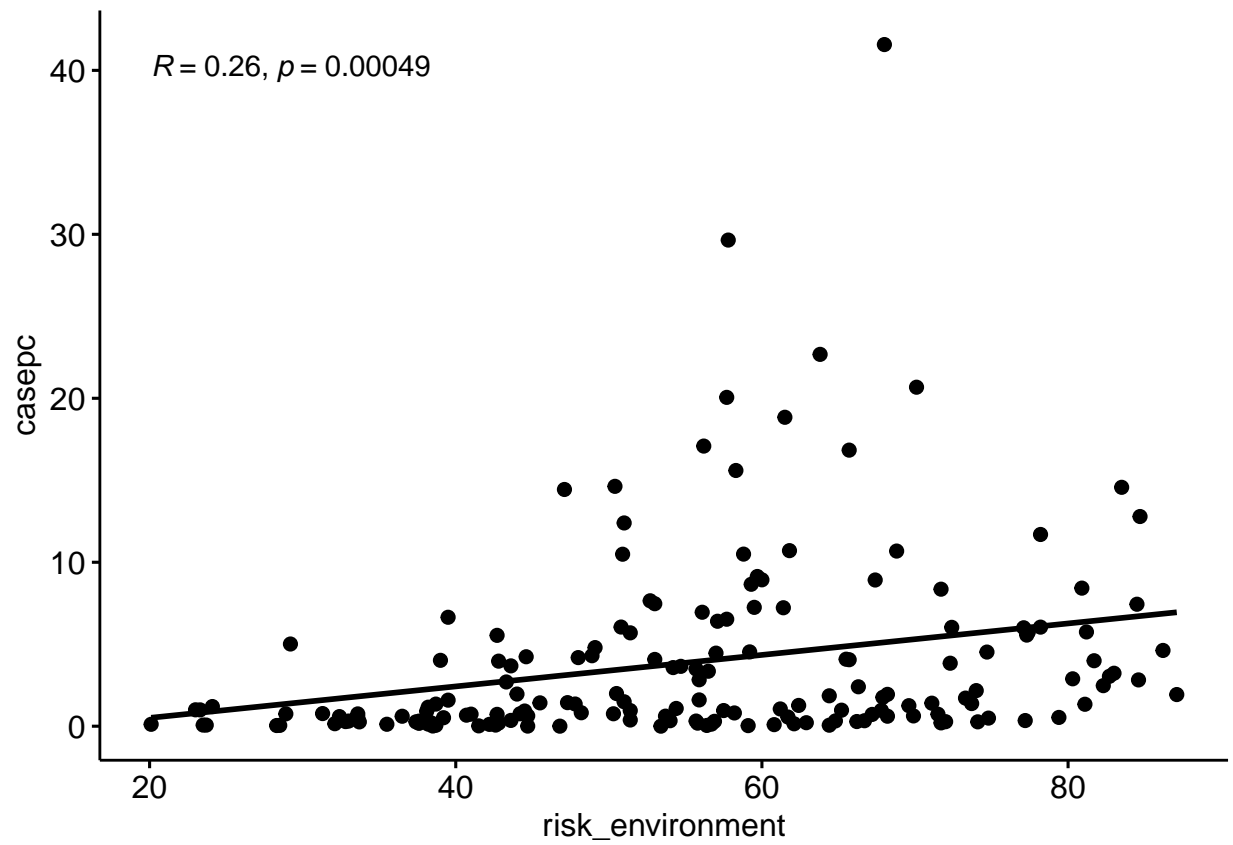

```
ggscatter(cumulative_data_180day,x='commitments',y='deathpc',  
         add='reg.line',cor.coef=TRUE,cor.method='pearson',  
         xlab='commitments',ylab='deathpc')
```



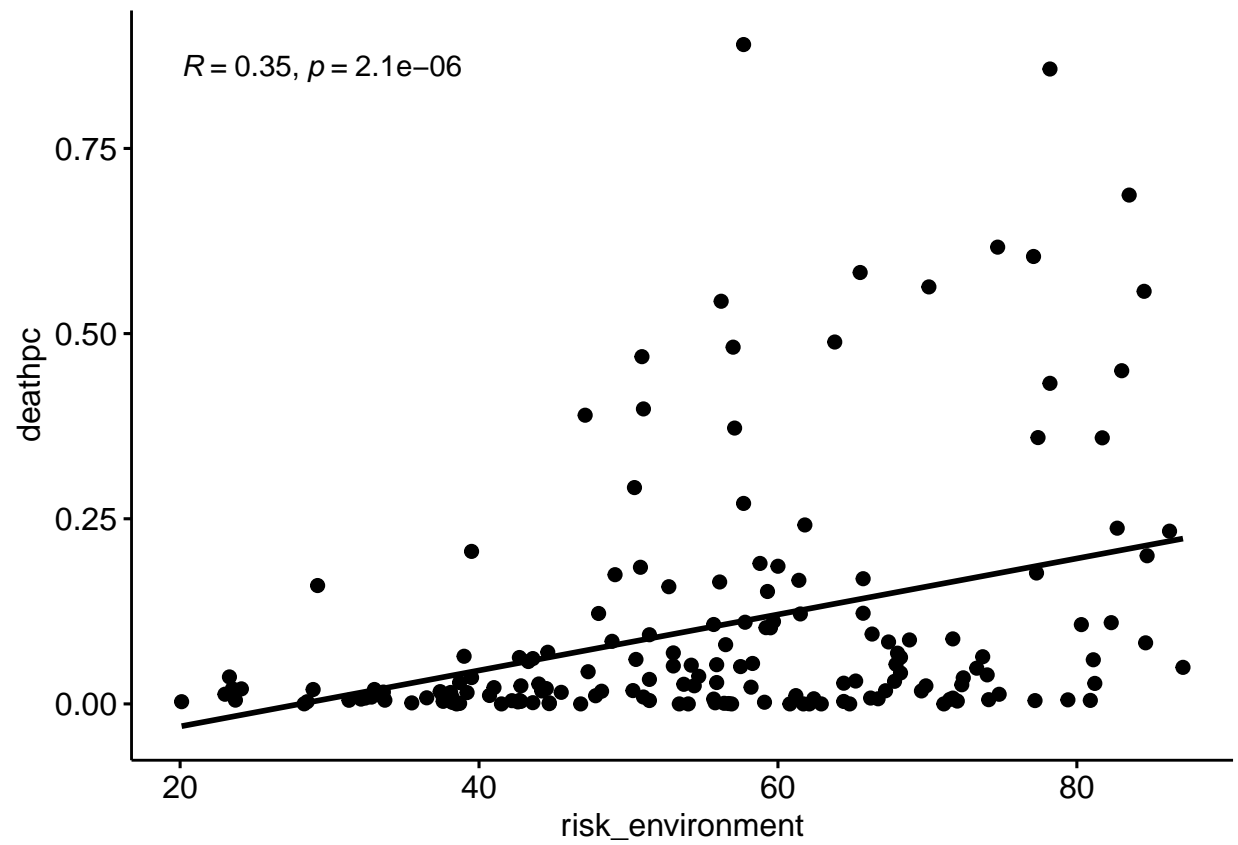
```
ggscatter(cumulative_data_180day,x='commitments',y='cfratio',  
          add='reg.line',cor.coef=TRUE,cor.method='pearson',  
          xlab='commitments',ylab='cfratio')
```



```
ggscatter(cumulative_data_180day,x='risk_environment',y='casepc',  
          add='reg.line',cor.coef=TRUE,cor.method='pearson',  
          xlab='risk_environment',ylab='casepc')
```



```
ggscatter(cumulative_data_180day,x='risk_environment',y='deathpc',  
  add='reg.line',cor.coef=TRUE,cor.method='pearson',  
  xlab='risk_environment',ylab='deathpc')
```



```
ggscatter(cumulative_data_180day,x='risk_environment',y='cfratio',  
          add='reg.line',cor.coef=TRUE,cor.method='pearson',  
          xlab='risk_environment',ylab='cfratio')
```

