









```
RStudio
🛂 🗸 😘 🎻 🗸 🔚 🔒 🖟 Go to file/function
                                                                      Project: (None) -
                                       💮 📗 🕶 Addins 🕶
 B Untitled2* x B Untitled1* x
                                                                             🛑 📦 | 🚈 | 🔚 🔳 Source on Save | 🔍 🎢 🗸 📗
                                                          Run 📴 🖶 Source 🔻 🗏
     mtcars %>%
  2
       group_by(cyl) %>%
       select(mpg, disp, hp, drat) %>%
  3
       group_map(\sim broom::tidy(lm(disp \sim ., data = .x)))
  4
  5
  5:1
       (Top Level) *
                                                                           R Script *
        Terminal ×
 Console
                 Jobs ×
                                                                             -
 ~/ 🖈
 > mtcars %>%
 + group_by(cyl) %>%
+ select(mpg, disp, hp, drat) %>%
    group_map(\sim broom::tidy(lm(disp \sim ., data = .x)))
Adding missing grouping variables: `cyl`
     cyl term estimate std.error statistic p.value
       4 (Intercept) 292. 94.2 3.10
                                                  0.017<u>4</u>
    4 mpg
                       <del>-4.43</del> 1.54
                                                  0.023<u>4</u>
                  -0.069<u>1</u> 0.340
     4 hp
                                                  0.845
                 -15.4 18.3 -0.844
    4 drat
                                                 0.427
    6 (Intercept) 410.
                                158. 2.60
                                                 0.080<u>4</u>
                                  6.96 0.620 0.579
       6 mpg
                       4.32
                                 0.424 -1.<mark>32</mark>
       6 hp
                                                 0.280
                               21.6 -3.15
                                                  0.051<u>4</u>
       6 drat
                                188. 3.19 0.009<u>73</u>
       8 (Intercept) 599.
                                7.88
       8 mpg
                                                  0.121
                      0.049<u>1</u> 0.531 0.092<u>4</u> 0.928
       8 hp
       8 drat
                                          -0.241 0.814
                                 69.8
```

```
RStudio
👣 🗸 😘 📹 🗕 📊 📥 🖟 Go to file/function
                                                                     Project: (None) -
                                        📰 - Addins -
 B Untitled2* x D Untitled1* x
 🖛 🕽 | 🔚 | 🔚 🔳 Source on Save | 🔍 🎢 🗸 📗
                                                          Run 😘 🕞 Source 🗸 🗏
   1 res <- list()
   2
   3 ▼ for(i in unique(mtcars$cyl)){
        mtcars2 <- subset(mtcars, cyl == i, select = c("mpg", "disp", "hp", "drat"))</pre>
   5 lmfit <- lm(disp ~ ., data = mtcars2)</pre>
   6 res[[paste0("cyl = ", i)]] <- summary(lmfit)$coefficients</pre>
     }
   8
   9
      res
  10
       (Top Level) $
  10:1
                                                                          R Script $
        Terminal ×
                 Jobs ×
 Console
 ~/ 🗪
> res
\gamma = 6
               Estimate Std. Error t value Pr(>|t|)
(Intercept) 409.7810370 157.6040990 2.6000659 0.08037125
         4.3156170 6.9553459 0.6204748 0.57889061
mpg
            hp
       -67.8987957 21.5800161 -3.1463737 0.05140931
drat
\sum_{i=4}^{\infty}
                Estimate Std. Error t value Pr(>|t|)
(Intercept) 291.95739382 94.2296040 3.0983617 0.01736213
mpg -4.43485184 1.5364290 -2.8864672 0.02343414
       -0.06905319 0.3396118 -0.2033298 0.84466159
hp
     -15.44260687 18.3034139 -0.8437009 0.42672465
drat
\circ \circ = 8
                                       t value
                Estimate Std. Error
                                                Pr(>ltl)
(Intercept) 599.07461416 188.0764183 3.18527235 0.009731938
            -13.36500593 7.8802088 -1.69602180 0.120737856
mpg
hp
              0.04906465 0.5310913 0.09238459 0.928217072
            -16.85451710 69.8014973 -0.24146355 0.814075033
drat
```

etor

```
RStudio
🗘 🗸 🐯 🚭 🗸 🔚 📄 📥 🖟 Go to file/function 💮 🔡 🕶 Addins 🕶
                                                                        Project: (None) -
 B Untitled2* × B Untitled1* ×
                                                                               🛑 🕽 | 📠 | 🔚 🔳 Source on Save | 🔍 🎢 🗸 📗
                                                            Run Source - =
   1 res <- list()</pre>
   3 - for(i in unique(mtcars$cyl)){
        mtcars2 <- subset(mtcars, cyl == i, select = c("mpg", "disp", "hp", "drat"))</pre>
        lmfit <- lm(disp ~ ., data = mtcars2)</pre>
        res[[paste0("cyl = ", i)]] <- summary(lmfit)$coefficients</pre>
   9
      res
  10:1 (Top Level)
                                                                             R Script $
 Console Terminal × Jobs ×
                                                                               -\Box
 ~/ 🖈
 > res
\circ s`cyl = 6`
               Estimate Std. Error t value Pr(>|t|)
 (Intercept) 409.7810370 157.6040990 2.6000659 0.08037125
              4.3156170 6.9553459 0.6204748 0.57889061
 mpg
             -0.5577404   0.4240994   -1.3151171   0.27995856
            -67.8987957 21.5800161 -3.1463737 0.05140931
 drat
Estimate Std. Error t value Pr(>|t|)
 (Intercept) 291.95739382 94.2296040 3.0983617 0.01736213
             -4.43485184 1.5364290 -2.8864672 0.02343414
 mpg
             -0.06905319 0.3396118 -0.2033298 0.84466159
            -15.44260687 18.3034139 -0.8437009 0.42672465
drat
Estimate Std. Error t value Pr(>|t|)
 (Intercept) 599.07461416 188.0764183 3.18527235 0.009731938
            -13.36500593 7.8802088 -1.69602180 0.120737856
 mpg
              0.04906465 0.5310913 0.09238459 0.928217072
 hp
            -16.85451710 69.8014973 -0.24146355 0.814075033
drat
```

```
RStudio
🗘 🗸 📆 📹 🗕 📄 📥 🔊 Go to file/function 💮 🔡 - Addins -
                                                                           Project: (None) -
 B Untitled2* x B Untitled1* x
                                                                                   🛑 🕽 | 📠 | 🔚 🔳 Source on Save | 🔍 🎢 🗸 📗
                                                               Run 😘 🖙 Source 🕶
     mtcars %>%
       group_by(cyl) %>%
       select(mpg, disp, hp, drat) %>%
       group_map(\sim broom::tidy(lm(disp \sim ., data = .x)))
  5:1 (Top Level) $
                                                                                R Script ©
 Console Terminal × Jobs >
                                                                                   =
 ~/ 🗪
> mtcars %>%
    group_by(cyl) %>%
   select(mpg, disp, hp, drat) %>%
    group_map(\sim broom::tidy(lm(disp \sim ., data = .x)))
Adding missing grouping variables: `cyl`
                       estimate std.error statistic p.value
     cyl term
       4 (Intercept) 292.
                                    94.2
                                              3.10 0.017<u>4</u>
                                    1.54
                                                     0.023<u>4</u>
       4 mpg
       4 hp
                                    0.340
                                                     0.845
                                                     0.427
                                    18.3
       4 drat
                       410.
                                  158.
                                              2.60 0.080<u>4</u>
       6 (Intercept)
                                              0.620 0.579
                                    6.96
        6 mpg
                         4.32
        6 hp
                                    0.424
                                                     0.280
                                   21.6 -3.15
                                                    0.051<u>4</u>
       6 drat
       8 (Intercept) 599.
                                  188.
                                              3.19 0.009<u>73</u>
                                    7.88
                                                     0.121
        8 mpg
        8 hp
                                    0.531
                                              0.092<u>4</u> 0.928
                         0.049<u>1</u>
                                                     0.814
       8 drat
                                    69.8
```

