

Data Manipulation Exercises on R Datasets

Datasets and Exercises

Dataset	Exercise
airquality	Filter rows where <code>Temp > 75</code> and calculate the average <code>Wind</code> .
iris	Group by <code>Species</code> and calculate the mean <code>Sepal.Length</code> .
mtcars	Summarize the average <code>mpg</code> for each cylinder type.
PlantGrowth	Compare the mean weight across groups using <code>group_by</code> and <code>summarize</code> .
C02	Calculate the total uptake of <code>C02</code> for each <code>Plant</code> type.
ToothGrowth	Filter rows where <code>dose == 2.0</code> and summarize the mean <code>len</code> .
sleep	Group by <code>group</code> and calculate the mean <code>extra</code> sleep.
ChickWeight	Analyze weight gain trends across different <code>Time</code> points.
warpbreaks	Count the number of warp breaks for each <code>tension</code> .
InsectSprays	Summarize the total count of insects for each <code>spray</code> .
USArrests	Find the state with the highest <code>UrbanPop</code> .
state.x77	Summarize the average income and illiteracy for each state region.
trees	Calculate the correlation between <code>Girth</code> and <code>Volume</code> .
quakes	Find the mean depth of earthquakes for each station.
pressure	Analyze the trend of pressure vs. temperature using a plot.