

A Helpful Visual

---


# Split-Apply-Combine

**We want to find the mean “value” per “group”**


group	value
A	4
A	3
B	9
B	11
B	14
C	8
C	6
C	5

# Step 1: Split

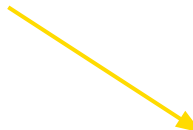
group	value
A	4
A	3
B	9
B	11
B	14
C	8
C	6
C	5



group	value
A	4
A	3



group	value
B	9
B	11
B	14



group	value
C	8
C	6
C	5

## Step 2: Apply

group	value
A	4
A	3
B	9
B	11
B	14
C	8
C	6
C	5

group	value
A	4
A	3

group	value
A	3.5

group	value
B	9
B	11
B	14

group	value
B	11.333

group	value
C	8
C	6
C	5

group	value
C	6.333

## Step 3: Combine

group	value
A	4
A	3
B	9
B	11
B	14
C	8
C	6
C	5

group	value
A	4
A	3

group	value
B	9
B	11
B	14

group	value
C	8
C	6
C	5

group	value
A	3.5

group	value
B	11.333

group	value
C	6.333

group	value
A	3.5
B	11.333
C	6.333