

df |>

cat1	cat2	x
a	j	1
a	j	2
a	k	3
b	j	4
b	k	5
b	k	6
c	j	7
c	j	8
c	k	9

group_by(cat2) |>

cat1	cat2	x
a	j	1
a	j	2
b	j	4
c	j	7
c	j	8
a	k	3
b	k	5
b	k	6
c	k	9

summarize(...)

cat2	avg	total	n
j	4.4	22	5
k	5.75	23	4

```
df |>
  group_by(cat2) |>
  summarize(
    avg = mean(x),
    total = sum(x),
    n = n()
  )
```

cat2	avg	total	n
j	4.4	22	5
k	5.75	23	4