

mtcars Codebook

Your Name

2025-12-16

12 variables documented

Table of Contents

| | |
|------------|----|
| name | 3 |
| mpg | 4 |
| cyl | 5 |
| disp | 6 |
| hp | 7 |
| drat | 8 |
| wt | 9 |
| qsec | 10 |
| vs | 11 |
| am | 12 |
| gear | 13 |
| carb | 14 |

name

Type: object

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 32 |

mpg

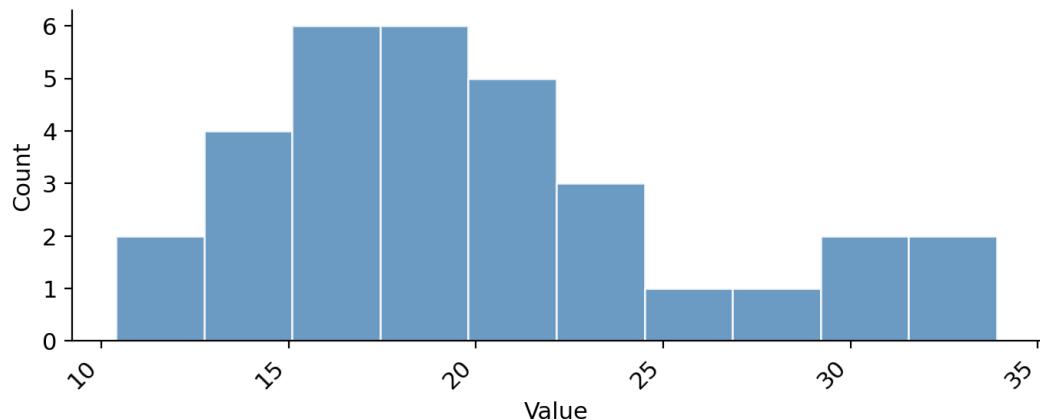
Miles per gallon

Type: float64

Note: Fuel economy measure for the 1970s era vehicles.

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 25 |
| Mean | 20.09 |
| Std Dev | 6.03 |
| Min | 10.4 |
| Max | 33.9 |



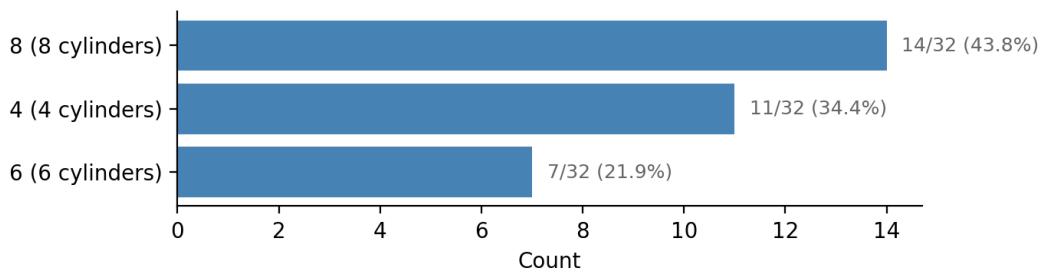
cyl

Number of cylinders

Type: int64

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 3 |
| Mean | 6.19 |
| Std Dev | 1.79 |
| Min | 4 |
| Max | 8 |



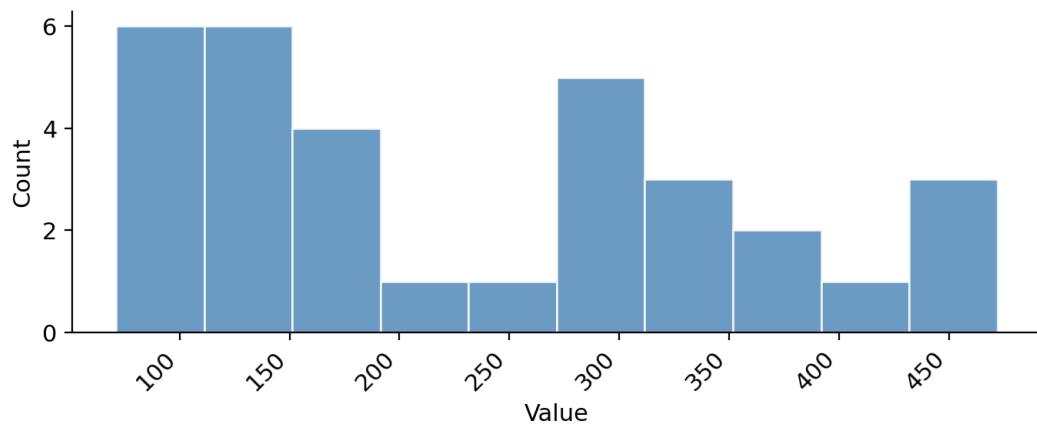
disp

Displacement in cubic inches

Type: float64

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 27 |
| Mean | 230.72 |
| Std Dev | 123.94 |
| Min | 71.1 |
| Max | 472.0 |



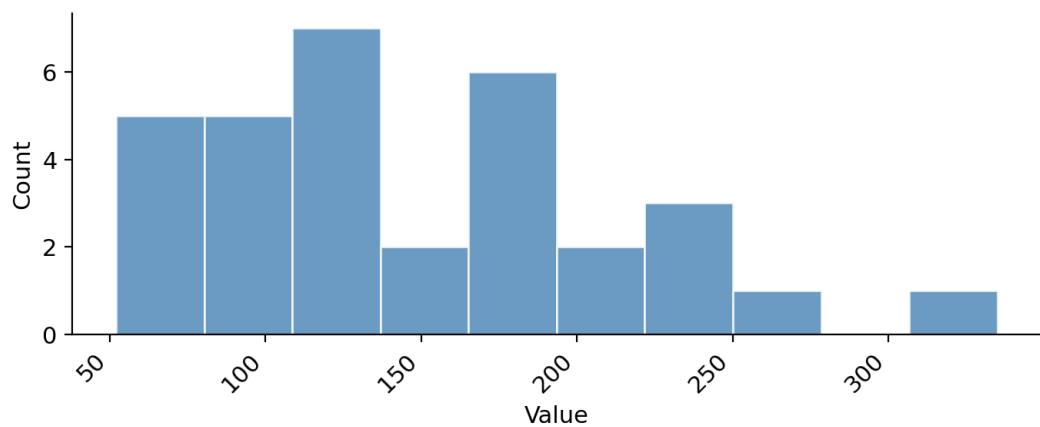
hp

Horsepower

Type: int64

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 22 |
| Mean | 146.69 |
| Std Dev | 68.56 |
| Min | 52 |
| Max | 335 |



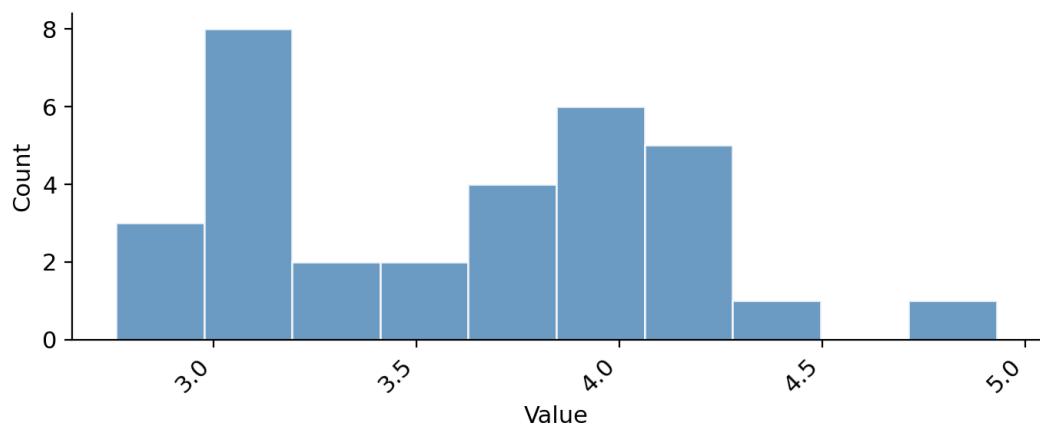
drat

Rear axle ratio

Type: float64

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 22 |
| Mean | 3.60 |
| Std Dev | 0.53 |
| Min | 2.76 |
| Max | 4.93 |



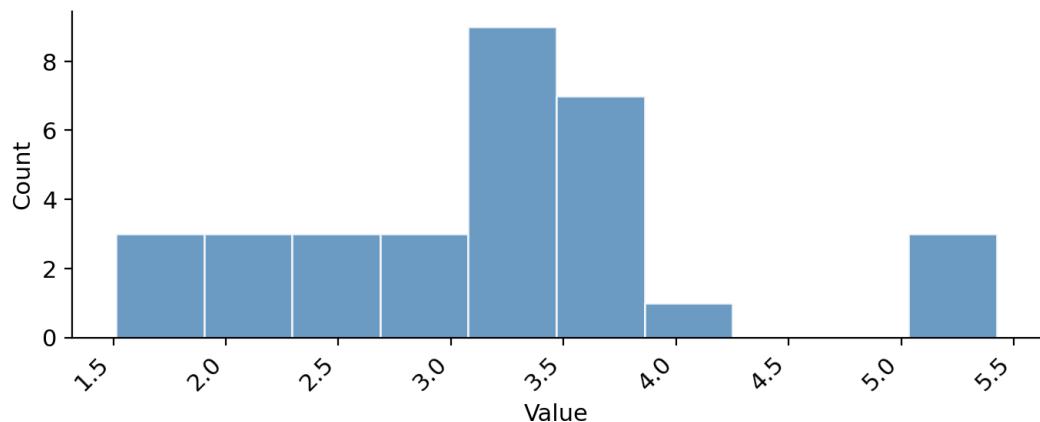
wt

Weight in 1000 lbs

Type: float64

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 29 |
| Mean | 3.22 |
| Std Dev | 0.98 |
| Min | 1.513 |
| Max | 5.424 |

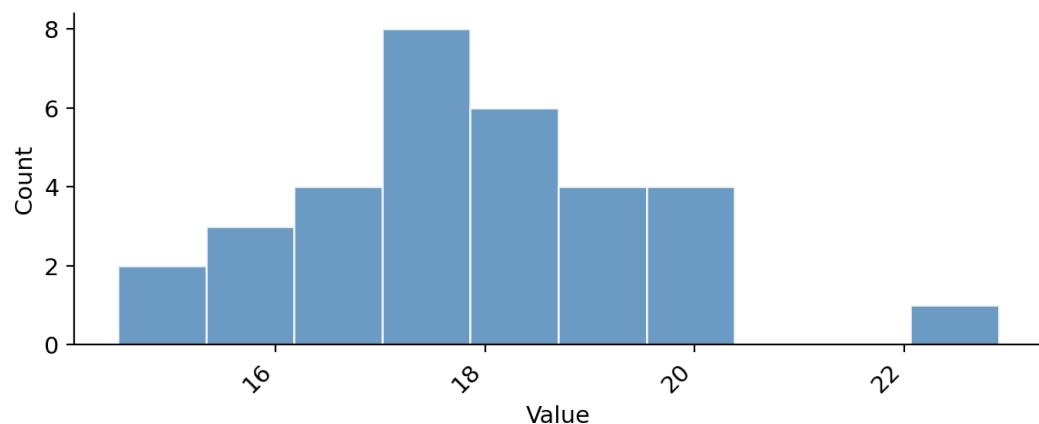


1/4 mile time

Type: float64

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 30 |
| Mean | 17.85 |
| Std Dev | 1.79 |
| Min | 14.5 |
| Max | 22.9 |



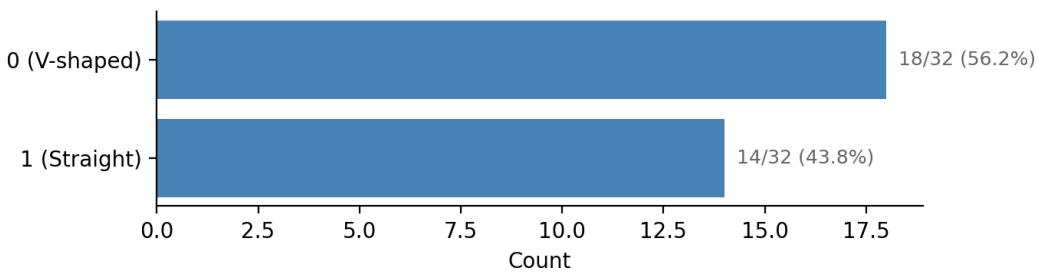
VS

Engine shape (0 = V-shaped, 1 = straight)

Type: int64

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 2 |

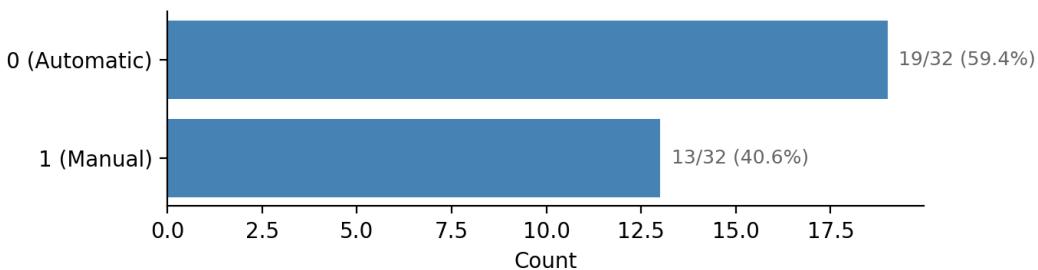


Transmission (0 = automatic, 1 = manual)

Type: int64

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 2 |



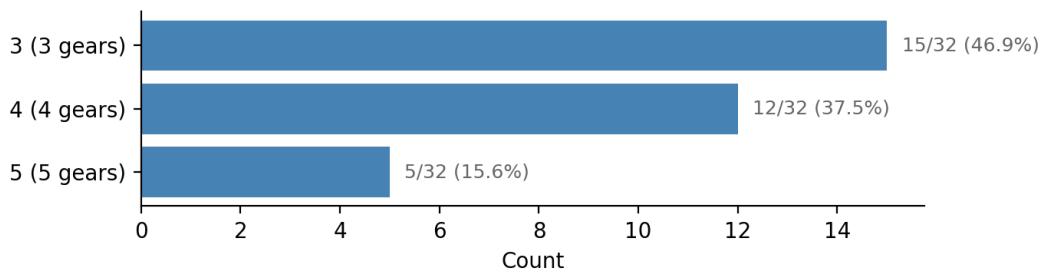
gear

Number of forward gears

Type: int64

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 3 |
| Mean | 3.69 |
| Std Dev | 0.74 |
| Min | 3 |
| Max | 5 |



carb

Number of carburetors

Type: int64

Summary Statistics

| | |
|---------|----------|
| Count | 32 |
| Valid | 32 |
| Missing | 0 (0.0%) |
| Unique | 6 |
| Mean | 2.81 |
| Std Dev | 1.62 |
| Min | 1 |
| Max | 8 |

