KETCHBROOK ANALYTICS

My Awesome Report

With a Really Cool Subtitle

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1 Using {tibble}

Note that we have {tibble} & {knitr} already installed, thanks to our use of `r-apt` to install R in our `devcontainer.json` file:

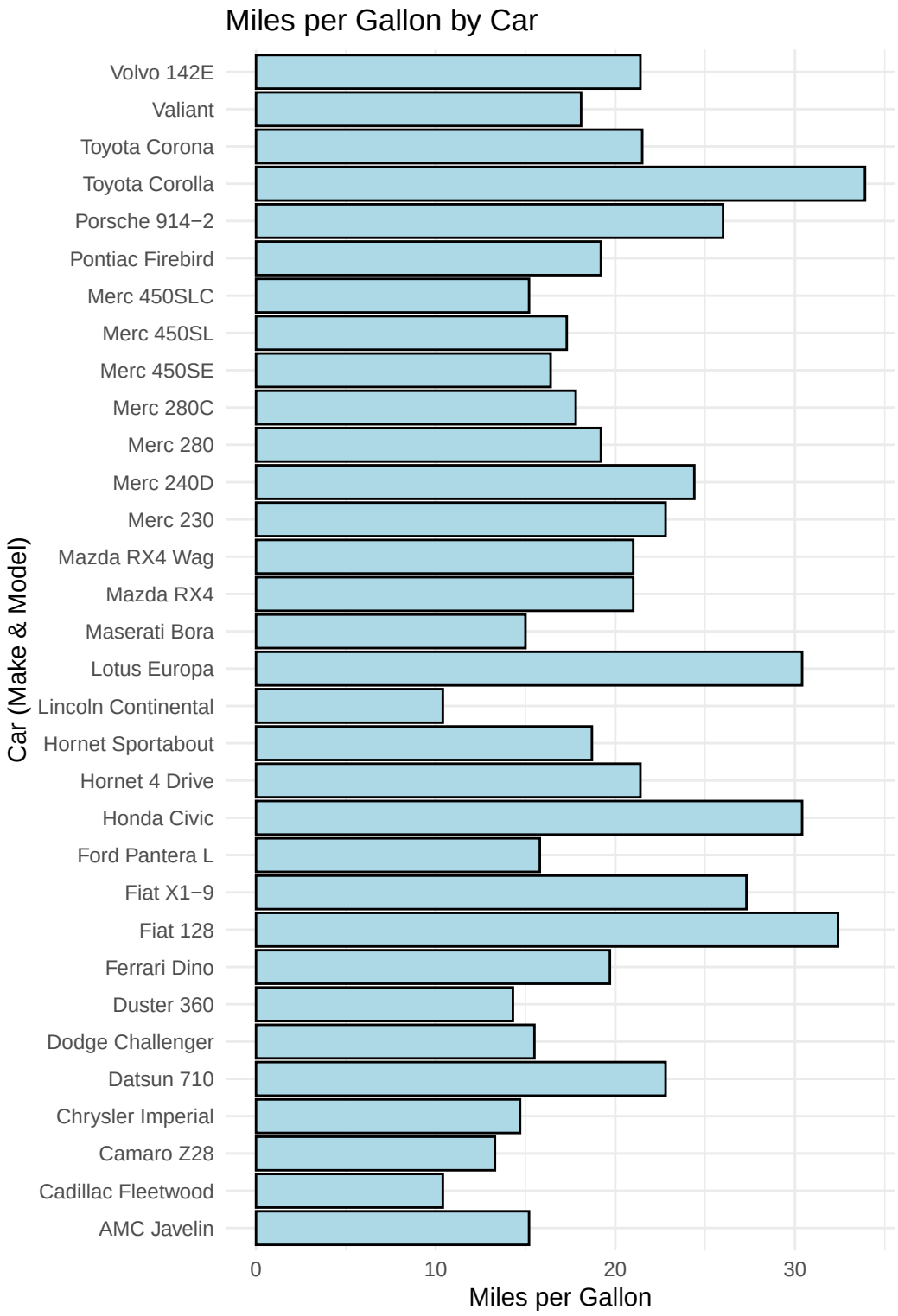
```
mtcars[, 1:4] |>
    head() |>
    tibble::as_tibble(rownames = "car") |>
    knitr::kable()
```

car	mpg	cyl	disp	hp
Mazda RX4	21.0	6	160	110
Mazda RX4 Wag	21.0	6	160	110
Datsun 710	22.8	4	108	93
Hornet 4 Drive	21.4	6	258	110
Hornet Sportabout	18.7	8	360	175
Valiant	18.1	6	225	105

2 Using {ggplot2}

To demonstrate that {ggplot2} is also installed thanks to our specification within `apt-packages` in our `devcontainer.json` file, here's a chart:

```
ggplot2::ggplot(
    mtcars,
    ggplot2::aes(
        x = row.names(mtcars),
        y = mpg
    )
) +
    ggplot2::geom_bar(
        stat = "identity",
        fill = "lightblue",
        color = "black"
    ) +
    ggplot2::labs(
        title = "Miles per Gallon by Car",
        x = "Car (Make & Model)",
        y = "Miles per Gallon"
    ) +
    ggplot2::coord_flip() +
    ggplot2::theme_minimal()
```


Miles per Gallon by Car
Volvo 142E
Valiant
Toyota Corona
Toyota Corolla
Porsche 914−2
Pontiac Firebird
Merc 450SLC
Merc 450SL
Merc 450SE
Merc 280C
Merc 280
Merc 240D
Merc 230
Mazda RX4 Wag
Mazda RX4
Maserati Bora
Lotus Europa
Lincoln Continental
Hornet Sportabout
Hornet 4 Drive
Honda Civic
Ford Pantera L
Fiat X1−9
Fiat 128
Ferrari Dino
Duster 360
Dodge Challenger
Datsun 710
Chrysler Imperial
Camaro Z28
Cadillac Fleetwood
AMC Javelin
Car (Make & Model)
0
10
20
30
Miles per Gallon

3 Using mermaidjs

Lastly, we have all of the dependencies we need to include mermaidjs diagrams, as well:

````
```{mermaid}
flowchart LR
    A[(Data)] --> B(["Logic (R Code)"]) --> C[[PDF Report]]
```
````