

# Quarto Clean Theme

A Minimalistic Theme for Quarto + Typst + Touying

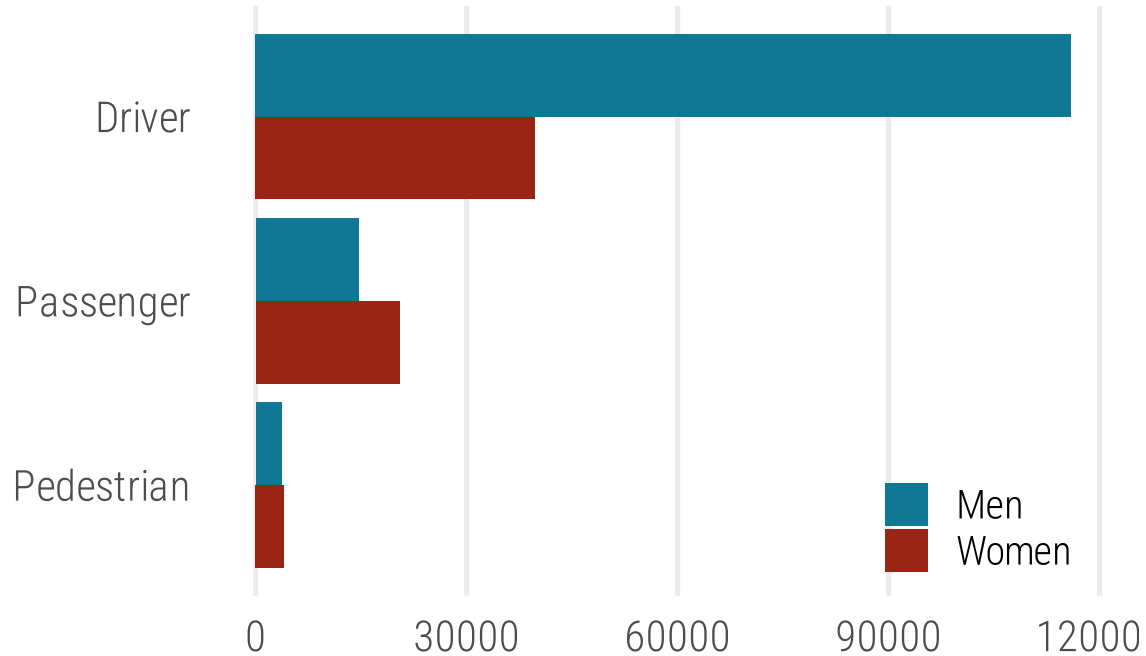
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# Number of Traffic Accidents



- ▶ Driver is the most common type of person involved in traffic accidents

# Logit Regression of Hospitalization and Death

|                     | Hospitalization    |                    |                    | Died within 24 hours |                      |                      |
|---------------------|--------------------|--------------------|--------------------|----------------------|----------------------|----------------------|
|                     | (1)                | (2)                | (3)                | (4)                  | (5)                  | (6)                  |
| Passenger           | 0.026<br>(0.100)   | 0.501**<br>(0.069) | 0.475**<br>(0.068) | -1.697**<br>(0.616)  | -1.445*<br>(0.631)   | -1.440*<br>(0.631)   |
| Pedestrian          | 2.117**<br>(0.114) | 2.381**<br>(0.061) | 2.298**<br>(0.058) | 2.190**<br>(0.260)   | 2.326**<br>(0.248)   | 2.327**<br>(0.246)   |
| Positive Alcohol    | 0.007<br>(0.072)   | 0.355**<br>(0.081) | 0.381**<br>(0.081) | -13.685**<br>(0.059) | -13.421**<br>(0.055) | -13.460**<br>(0.054) |
| Observations        | 197477             | 197369             | 176133             | 118462               | 116344               | 112659               |
| FE: Age Group       | X                  | X                  | X                  | X                    | X                    | X                    |
| FE: Gender          | X                  | X                  | X                  | X                    | X                    | X                    |
| FE: Type of Vehicle |                    | X                  | X                  |                      | X                    | X                    |
| FE: Weather         |                    |                    | X                  |                      |                      | X                    |

+ p < 0.1, \* p < 0.05, \*\* p < 0.01

**Model**

Aiyagari (1994)

## Preference

$$u(c) = \frac{c^{1-\gamma}}{1-\gamma}$$

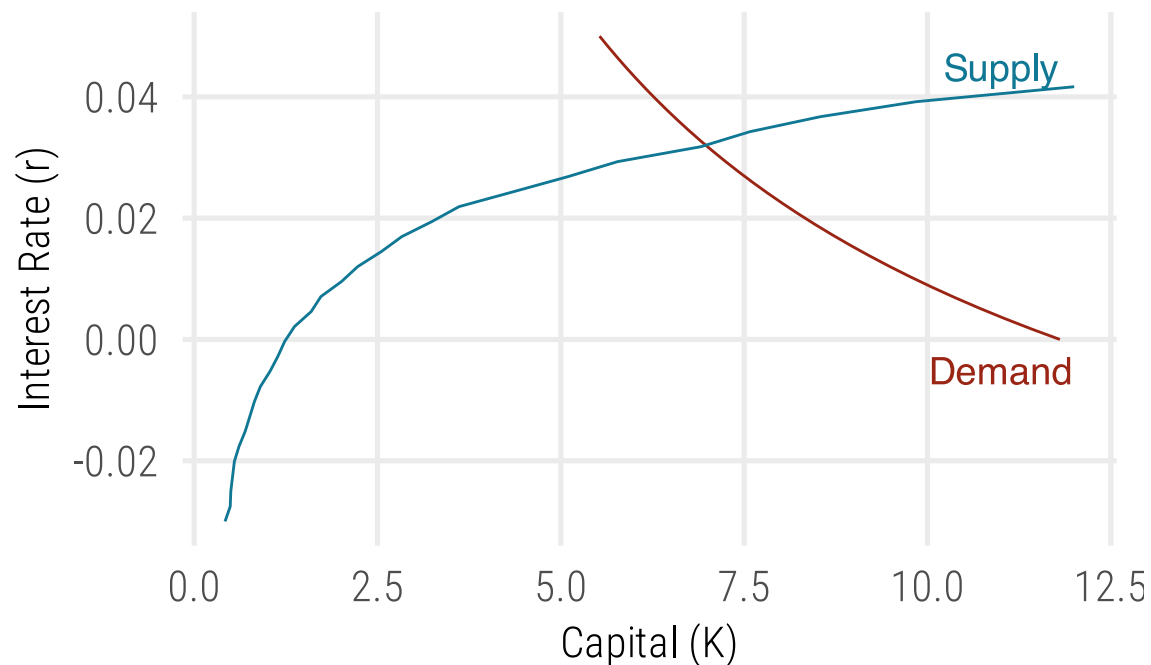
## Berman Equation

$$V(a, l) = \max_{c, a'} (c) + \beta \mathbb{E}[V(a', l') \mid l]$$

subject to

$$c + a' = (1 + r)a + wl$$

# Demand and Supply of Capital



- ▶ The equilibrium is determined by the intersection of the demand and supply curves
- ▶ The equilibrium interest rate is 0.032 and the equilibrium capital is 6.96.

# References

Aiyagari, S. Rao. 1994. “Uninsured Idiosyncratic Risk and Aggregate Saving”. The Quarterly Journal of Economics 109 (3): 659–84. <https://doi.org/10.2307/2118417>