Making Decisions with Visual Data
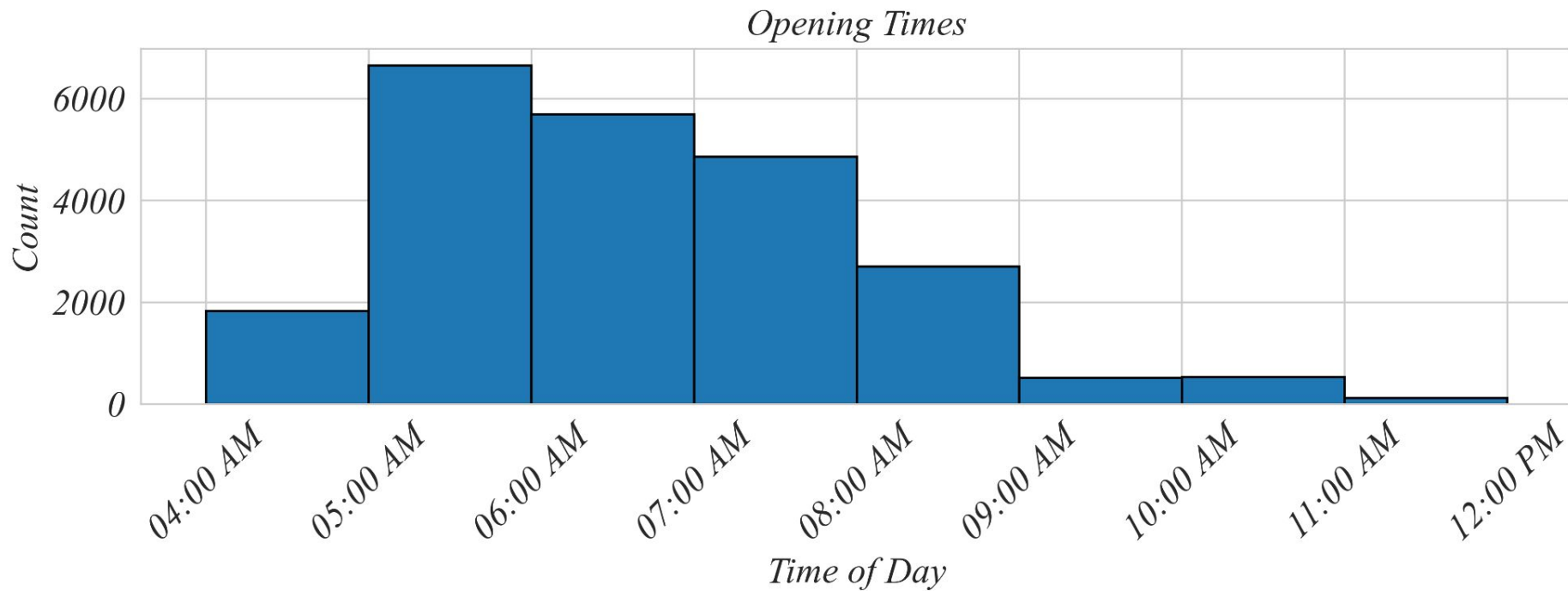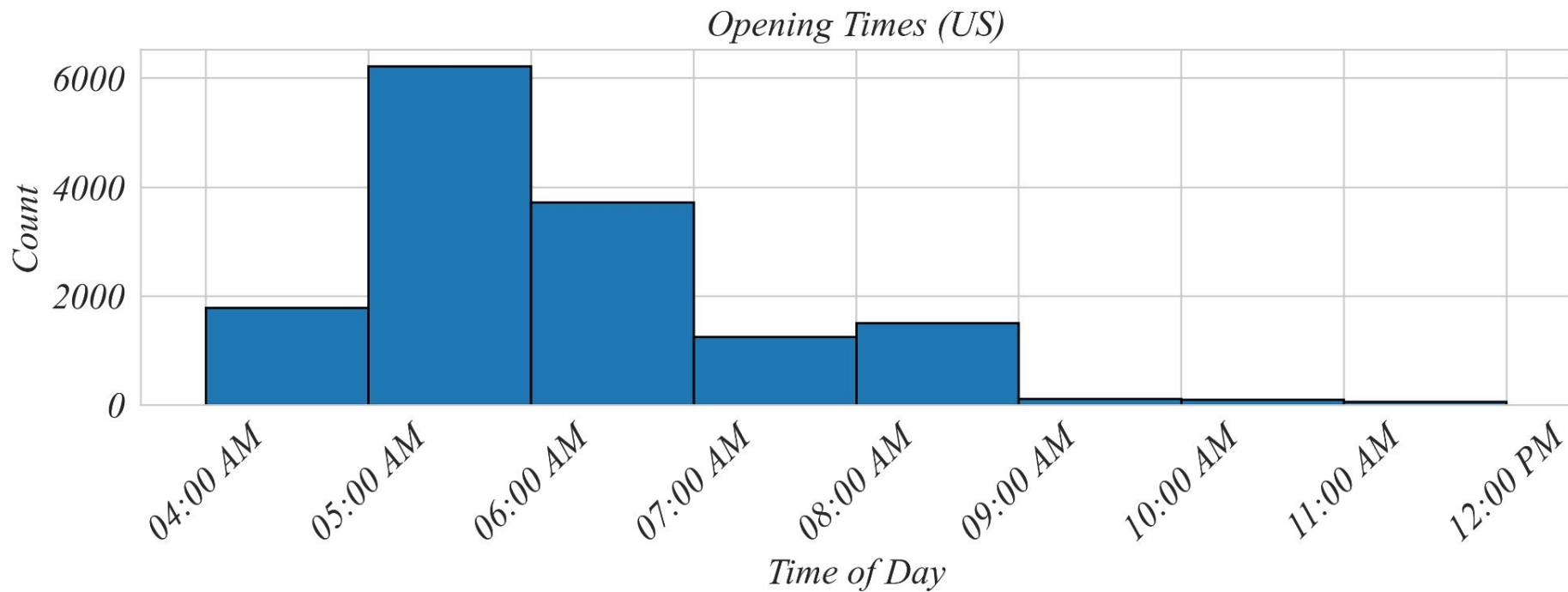
Part 1.4 Filtering Data

Taylor Weidman

Filtering Data: Categories

Q. What hours should a US coffee shop operate?

Filtering Data: Categories

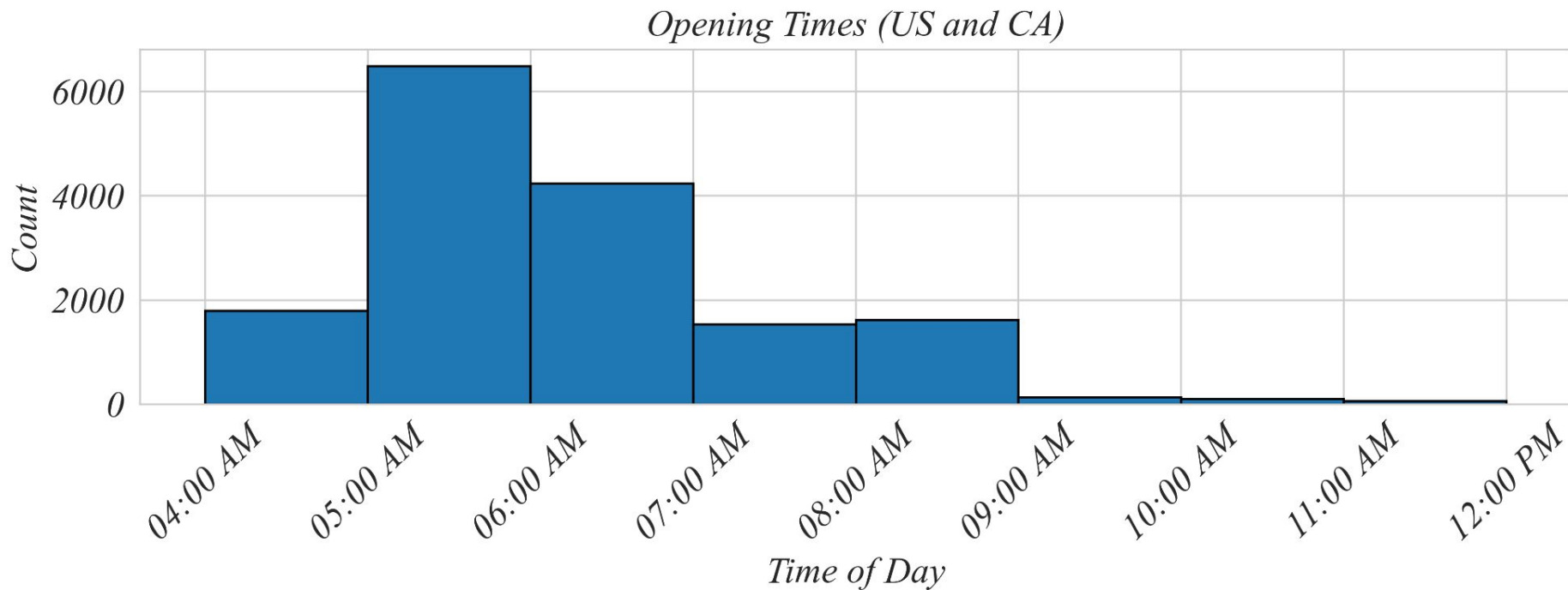Q. What hours should a US coffee shop operate?
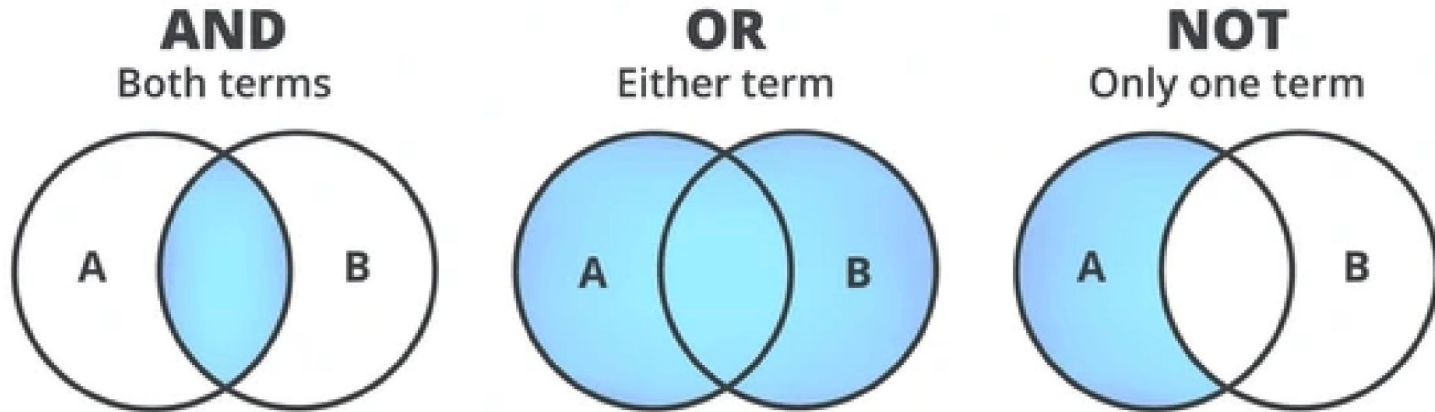
Filtering Data: Categories

Q. What hours should a US coffee shop operate?

Filtering Data: Categories

Q. Is there something specific about the US in North America?

Opening Times (US and CA)

Filtering Data: Categories

Q. Does opening time vary by country in North America?

Filtering Data: Categories

Q. What would the histogram for the following filtered data look like?

COUNTRY_CODE == US **AND** COUNTRY_CODE == Canada

Excel Exercise: Filtering Data by Category

We're going to examine the opening times of starbucks locations.

- Data: Starbucks_Location_Hours.csv
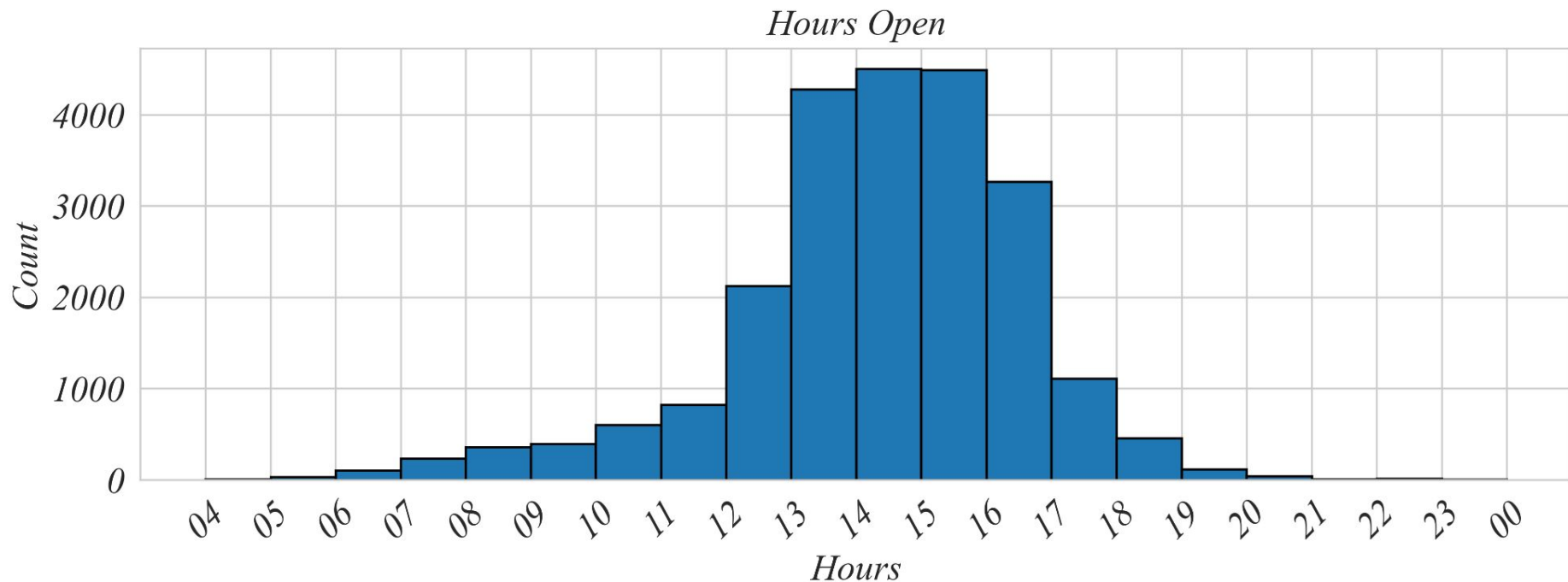- "Tables"
- Filtering Data

Filtering Data: Inequalities

Filtering continuous data requires using inequalities.

| Symbol	Meaning
$=$	Equal to
$\neq$	Not equal to
$>$	Greater than
$\geq$	Greater than or equal to
$<$	Less than
$\leq$	Less than or equal to

Filtering Data: Inequalities

Q. How long do locations stay open?

Filtering Data: Inequalities

Q. Do locations that open later in the morning stay open fewer hours?

Hours Open (7AM open or later)

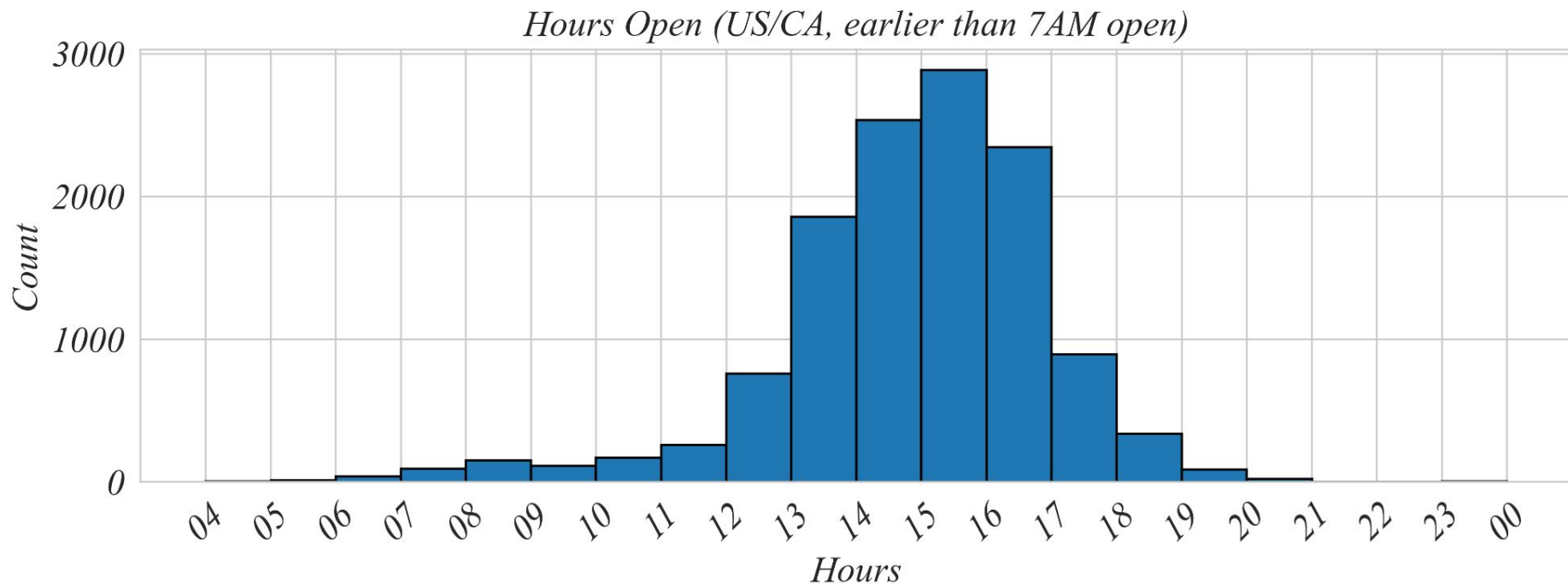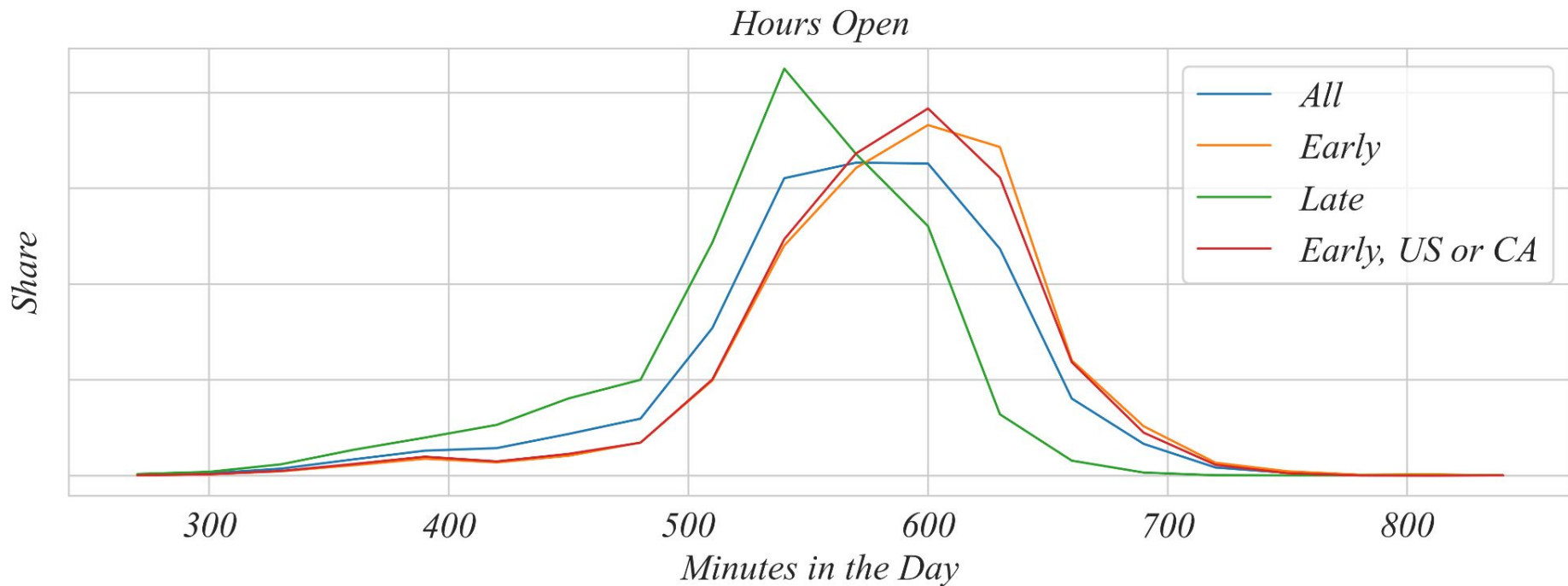# Filtering Data: Inequalities

Q. Do locations that open later in the morning stay open fewer hours?

Hours Open (earlier than 7AM open)
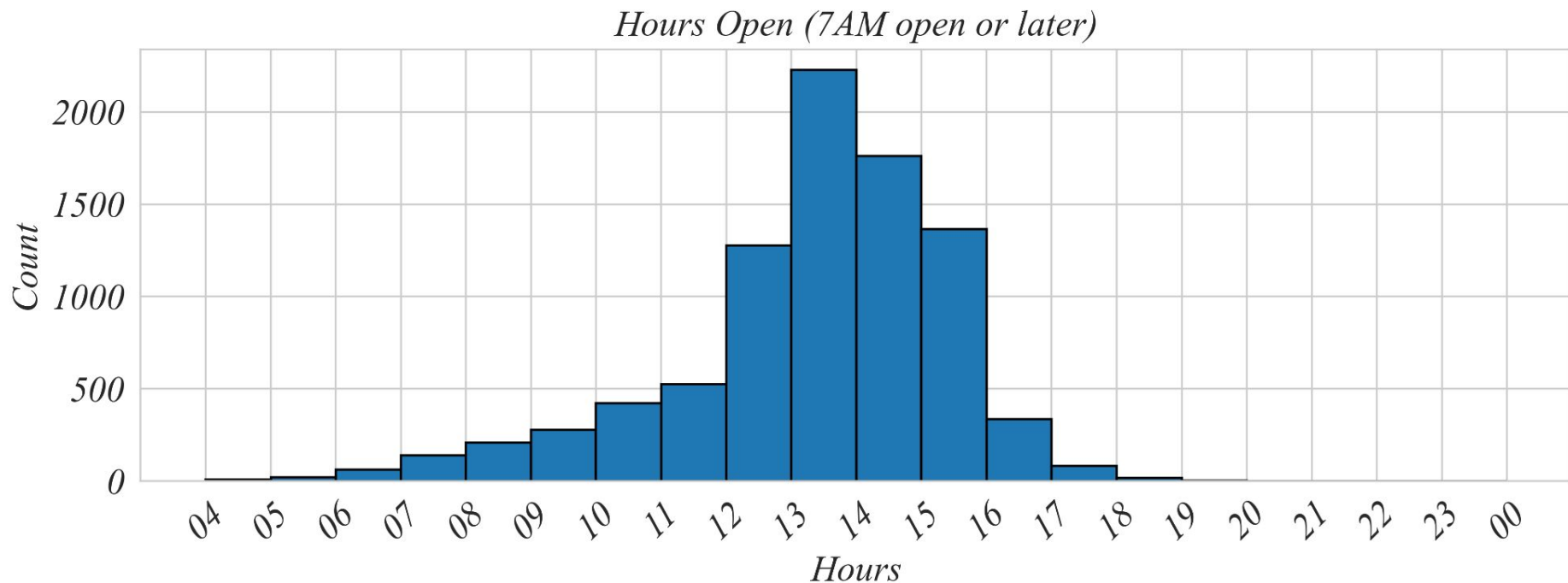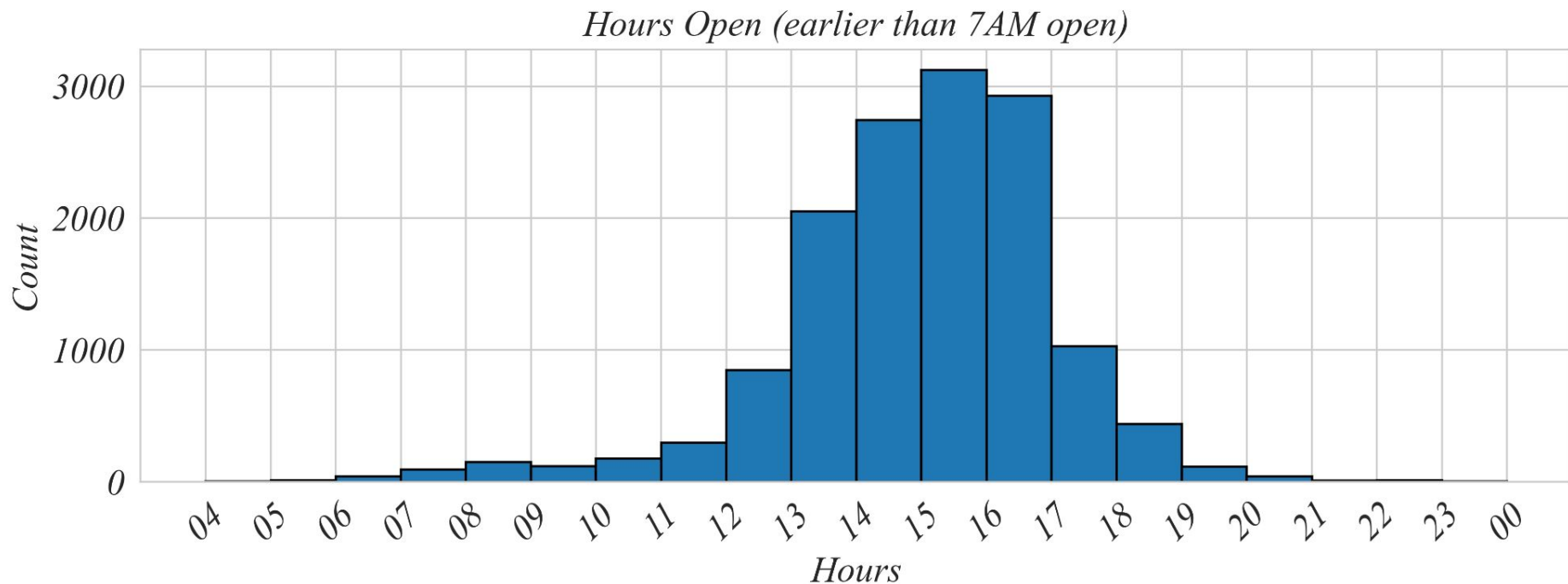
Filtering Data: Inequalities

Q. Does the hours open at early open locations differ country?

Hours Open (US/CA, earlier than 7AM open)

Filtering Data: Inequalities

Q. How long do locations stay open by category?

Excel Exercise: Filtering Data by Inequality

We're going to again examine the opening times of starbucks locations, but using inequalities.

- Data: Starbucks_Location_Hours.csv
- "Tables"
- Filtering Continuous Data
- Basic Data Transformations