Day Seven-Eight: Grammar of Graphics

SDS 192: Introduction to Data Science

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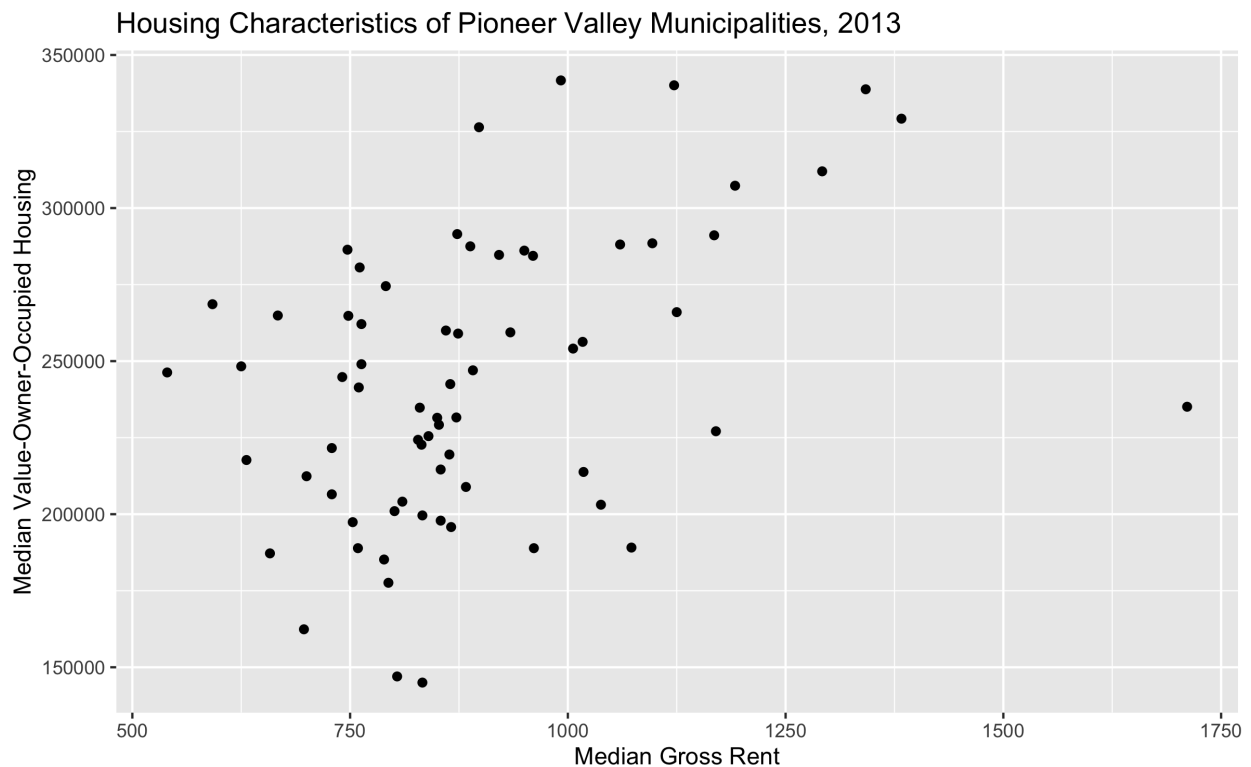
Spring 2022

```
#Load the ggplot library here.
```

```
pioneer_valley_2013 <- read.csv("https://raw.githubusercontent.com/SDS-192-Intro/sds-192-labs/main/Day7-
pioneer_valley_2013_dictionary <- read.csv("https://raw.githubusercontent.com/SDS-192-Intro/sds-192-labs
```
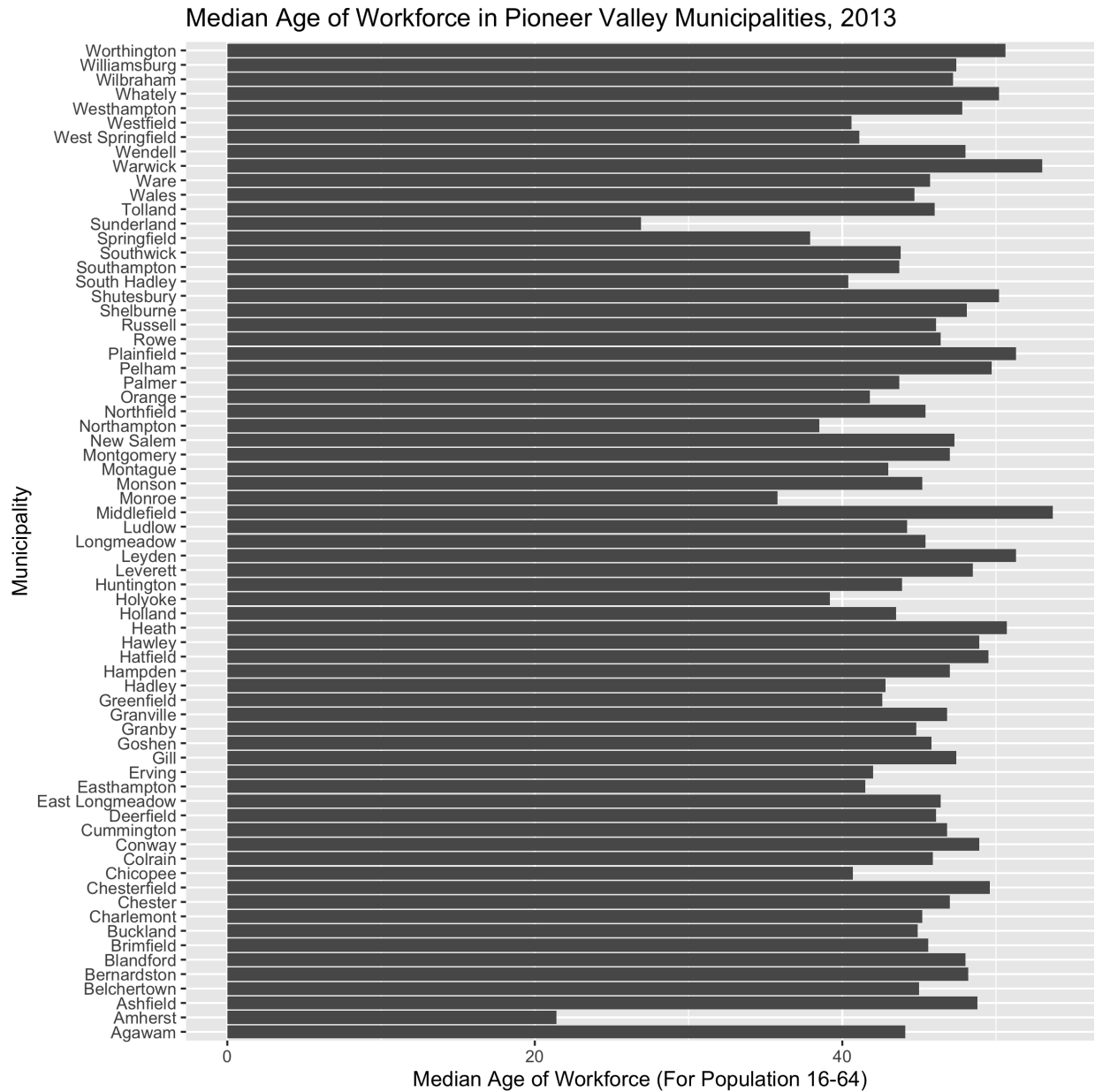
1. Check column names and values.

```
#Check the column names for pioneer_valley_2013. View what column names refer to via pioneer_valley_2013
```

2. Recreate this image using the `ggplot()` function. (Full size image in your images folder)
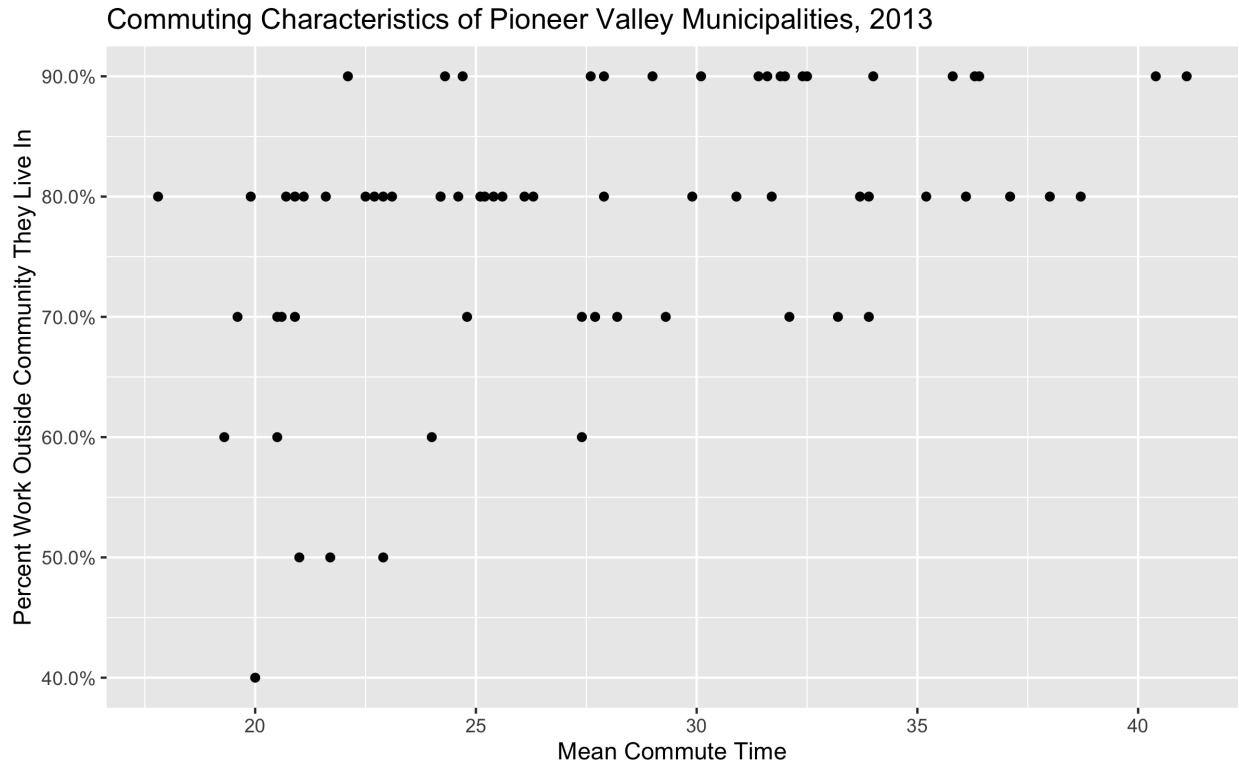

Housing Characteristics of Pioneer Valley Municipalities, 2013

3. Recreate this image using the `ggplot()` function. (Full size image in your images folder)

Median Age of Workforce in Pioneer Valley Municipalities, 2013

4. Recreate this image using the `ggplot()` function. (Full size image in your images folder)

Commuting Characteristics of Pioneer Valley Municipalities, 2013

Hint: We need the function scale_y_continuous(), and the labels argument needs to be set to `scales::percent`. Check the help pages for this function to see how to format this!

```
# Recreate Plot Here
```

5. Which of the following does each point on this plot indicate?

- A person
- A municipality
- A commute
- A county