Social Justice and Functions: Exploring the Gender Pay Gap
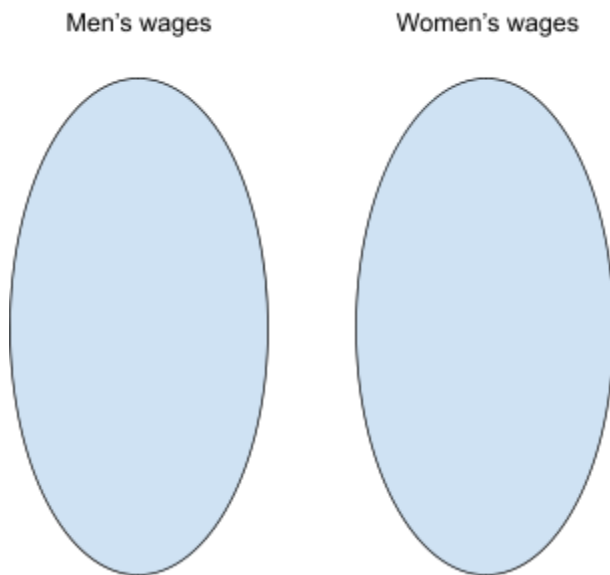
Source: US Bureau of Labor Statistics

https://www.bls.gov/opub/ted/2016/womens-earnings-83-percent-of-mens-but-vary-by-occupation.htm

Occupation	Men's wages (to the nearest dollar)	Women's wages (to the nearest dollar)
Construction and Extraction	$37,842	$34,550
Arts, design, media, entertainment, and sports	$51,176	$43,500
Farming, Fishing, and Forestry	$22,865	$18,750
Healthcare Practitioners and Technical	$62,771	$49,150
Education, training, and library	$57,061	$44,850
Computer and Mathematical	$71,736	$58,250
Legal	$88,272	$50,050

Note: these are national medians

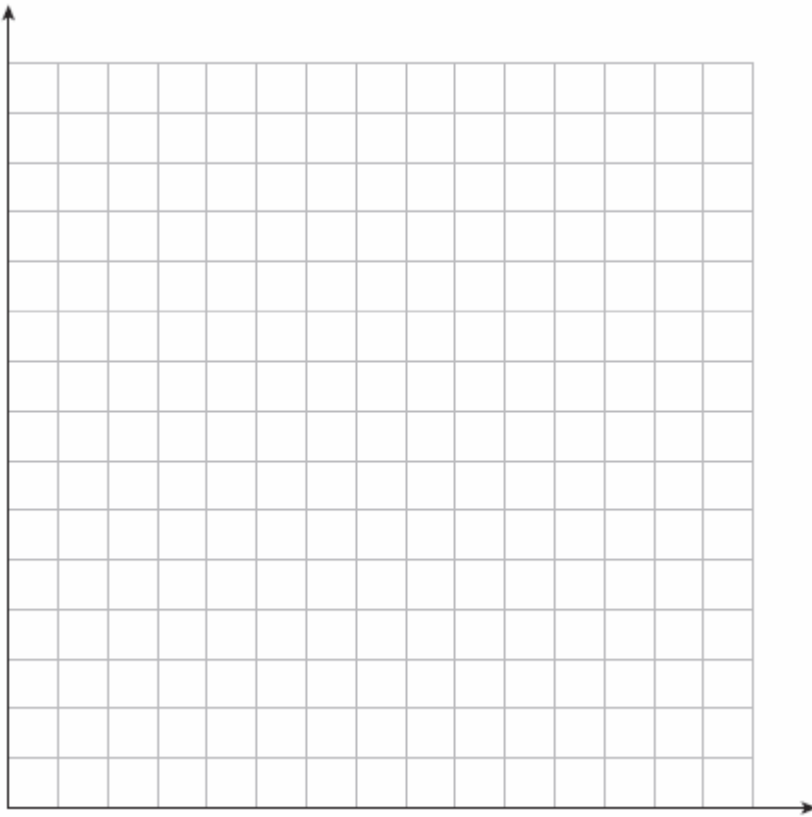1. Create a mapping diagram

Men's wages   Women's wages

2. Create a table

Input: _____   Output: _____

3. Draw a graph
(Axes labels: Both men's and women's wages should increment by $6,000)

4. Is men's and women's wages a function?   Yes   No
5. Explain #4

6. What does the line y=x represent? What does the value y/x represent? Draw the y=x line on your graph.

7. Does the gender pay gap exist? What are your thoughts and feelings after this lesson?

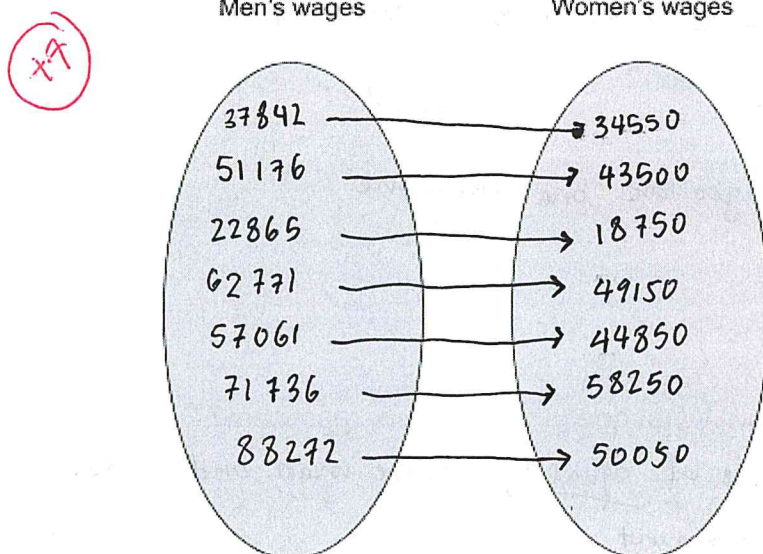# Social Justice and Functions: Exploring the Gender Pay Gap

Source: US Bureau of Labor Statistics
https://www.bls.gov/opub/ted/2016/womens-earnings-83-percent-of-mens-but-vary-by-occupation.htm

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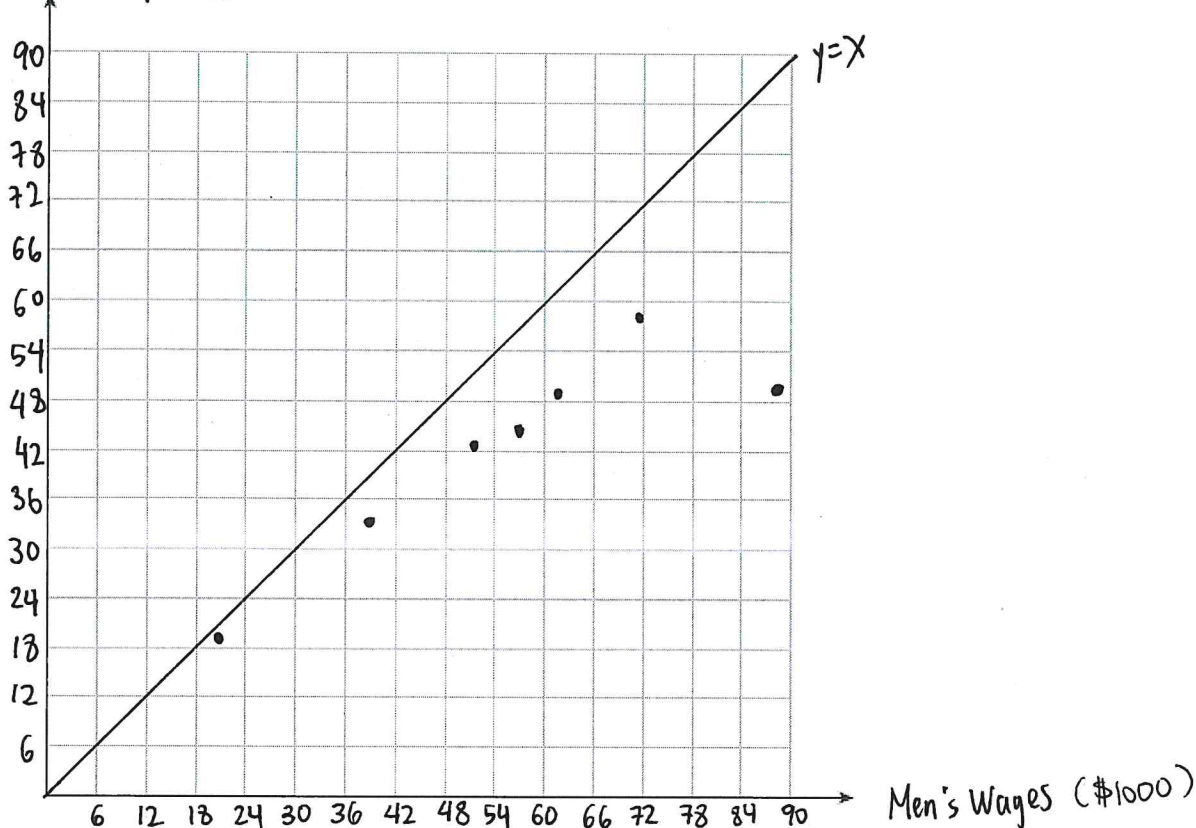Note: these are national medians

1. Create a mapping diagram

Men's wages   Women's wages

37842 → 34550
51176 → 43500
22865 → 18750
62771 → 49150
57061 → 44850
71736 → 58250
88272 → 50050

2. Create a table

Input: Men's Wages	Output: Women's Wages
37842	34550
51176	43500
22865	18750
62771	49150
57061	44850
71736	58250
88272	50050

(+7)   3. Draw a graph
      (Axes labels: Both men's and women's wages should increment by $6,000)

Women's Wages ($1000)

(+1)   4. Is men's and women's wages a function?   (Yes)   No
       5. Explain #4

           Men's and women's wages are one-to-one
                                              (+1)

       6. What does the line y=x represent? What does the value y/x represent?

(+3) $y=x$ represents the line of equality, where men and women
           make the same amount.

(+2) $\frac{y}{x}$ represents how much women make to every dollar men make.

       7. Does the gender pay gap exist? What are your thoughts and feelings after this
           lesson?
           The gender pay gap exists because all of the points are
           below the y=x line. I feel like this is unfair because the
(+2)   same job should be paid the same wage no matter the gender
           of the worker.