**Will the Women Catch the Men?**

Income Bracket Earnings by Gender (2002 – 2005)

|  |  |  |
| --- | --- | --- |
| **Number of years since**  **2000** | **% of men**  **earning**  **$50,000 - $74,999** | **% of women earning**  **$50,000 - $74,999** |
| 2 | 20.1 | 13.0 |
| 3 | 20.2 | 13.3 |
| 4 | 20.5 | 14.2 |
| 5 | 20.7 | 15.1 |

**Analyzing the Data**

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1. What is the independent variable?
2. What is the dependent variable?
3. Draw scatter plots for both the men

and the women on the same set of axes.

(You may use a calculator, the graph

at the right, or another sheet of graph

paper.)

1. Fit a trend line for the men.
2. Fit a trend line for the women.
3. Find the point of intersection for the two trend lines.
4. Interpret the meaning of the point of intersection.
5. Make a prediction: will the percent of women ever equal the percent of men earning $50,000-$74,999. If so, when?