

A 11

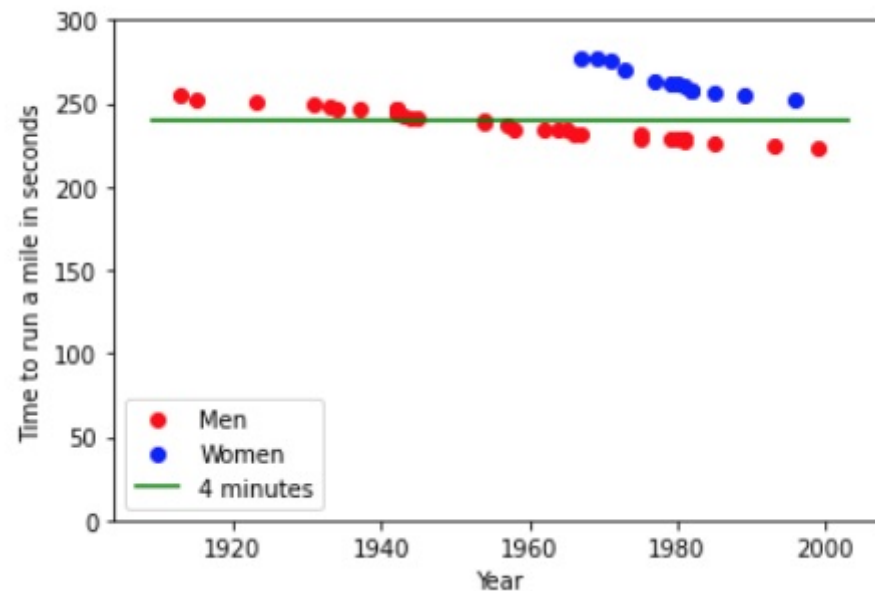
Due Nov 15, 2021 by 4pm **Points** 100 **Submitting** a file upload **File Types** py, pdf, and ipynb
Available Nov 8, 2021 at 12am - Nov 15, 2021 at 4:10pm 8 days

This assignment was locked Nov 15, 2021 at 4:10pm.

Assignment [Notebook](https://canvas.harvard.edu/courses/95534/files/13678225/download?download_frd=1) ↓ (https://canvas.harvard.edu/courses/95534/files/13678225/download?download_frd=1) and [PDF](https://canvas.harvard.edu/courses/95534/files/13678228/download?download_frd=1) ↓ (https://canvas.harvard.edu/courses/95534/files/13678228/download?download_frd=1)

Data [World Records](https://canvas.harvard.edu/courses/95534/files/12802017/download?download_frd=1) ↓ (https://canvas.harvard.edu/courses/95534/files/12802017/download?download_frd=1)

You will be asked to create a scatter plot like this of Mile Records



Overall Grading Rubric: Criteria for deductions per problem

1. Solves problems descriptions
2. Brief Comments appear in appropriate places and meaningful variable names are used.
3. Logic concise, uses Python syntax and Python abilities appropriately
4. Discretionary deductions
5. Delivery: are the appropriate files in the right places

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Criteria	Ratings		Pts
<p>1) Four Or More</p> <p>Does it use a Regular Expression? (RE)</p> <p>Does it find the right words?</p> <p>Is the code well structured and documented?</p>	<p>25 pts</p> <p>Full Marks</p>	<p>0 pts</p> <p>No Marks</p>	<p>25 pts</p>
<p>2) Valid Integers</p> <p>Does it use a Regular Expression?</p> <p>Does it pass the Unit Tests</p> <p>It is well structured?</p>	<p>25 pts</p> <p>Full Marks</p>	<p>0 pts</p> <p>No Marks</p>	<p>25 pts</p>
<p>3) Global Mile Records</p> <p>Does it get the right data?</p> <p>Is it placed in the right spots?</p> <p>Does it use different colors for the Men and Women?</p> <p>Does it show the 4 minute barrier?</p> <p>Is there a legend for the three parts?</p> <p>Is it well structured and documented?</p>	<p>25 pts</p> <p>Full Marks</p>	<p>0 pts</p> <p>No Marks</p>	<p>25 pts</p>

Criteria	Ratings		Pts
4) People Does it pass the Unit Tests as written? Is it clearly structured and documented?	25 pts Full Marks	0 pts No Marks	25 pts
Total Points: 100			