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Set 1

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In this exercise, you will learn about least squares fitting on 2D data points. In **Notebook 1.0** you will be introduced to Jupyter Notebooks and Python. In **Notebook 1.1** you will solve a simple LSQ fit problem.

Question 1: Linear least squares on 2D data

Given the times of the last four women Olympic winners of the 100 meter sprint, predict the time of next champion at the Tokyo 2020 Olympics. Assume the progression of athlete is linear in time.

Year	2004	2008	2012	2016
Seconds	10.93	10.78	10.75	10.71