Studying Social Inequality with Data Science

INFO 3370 / 5371 Spring 2023

Challenge: PSID Income Prediction

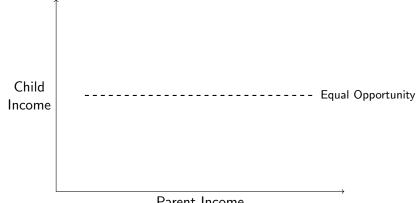
Learning goals for today

By the end of class, you will be able to

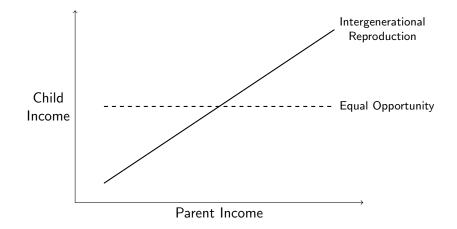
 conceptualize economic mobility in a machine learning framework

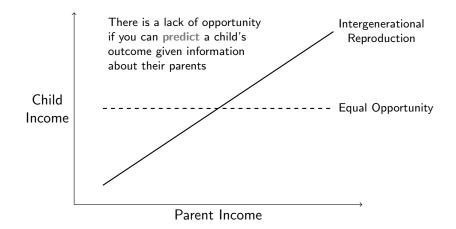


Parent Income



Parent Income





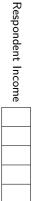
Why stop at parent income?

Why stop at parent income?

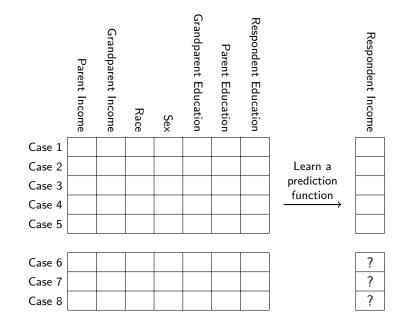
What other variables capture the luck of birth?

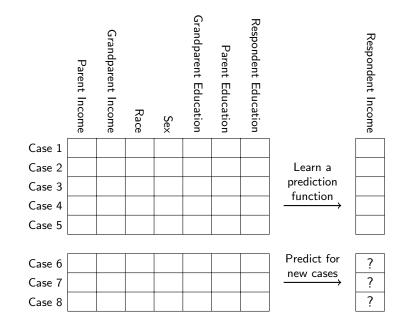
	Parent Income	Grandparent Income	Race	Sex	Grandparent Education	Parent Education	Respondent Education
Case 1							
Case 2							
Case 3							
Case 4							
Case 5							

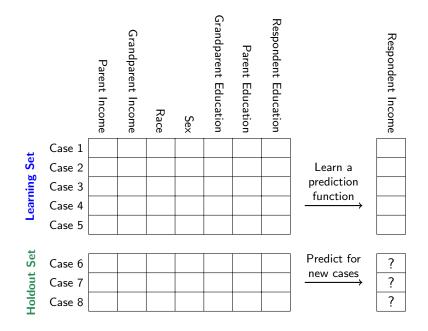
Respondent Education Parent Education Grandparent Education Sex Grandparent Income Parent Income
Case 1
Case 2
Case 3
Case 4
Case 5



	Parent Income	Grandparent Income	Race	Sex	Grandparent Education	Parent Education	Respondent Education		Respondent Income
Case 1									
Case 2								Learn a	
Case 3								prediction function	
Case 4									
Case 5									







The challenge

How well can you predict respondent incomes?

Get started here

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By the end of class, you will be able to

 conceptualize economic mobility in a machine learning framework