

Python Companion to ISLR

Naresh Gurbuxani

May 4, 2019

Contents

1	Introduction	1
----------	---------------------	----------

1 Introduction

Figure 1 shows graphs of Wage versus three variables.

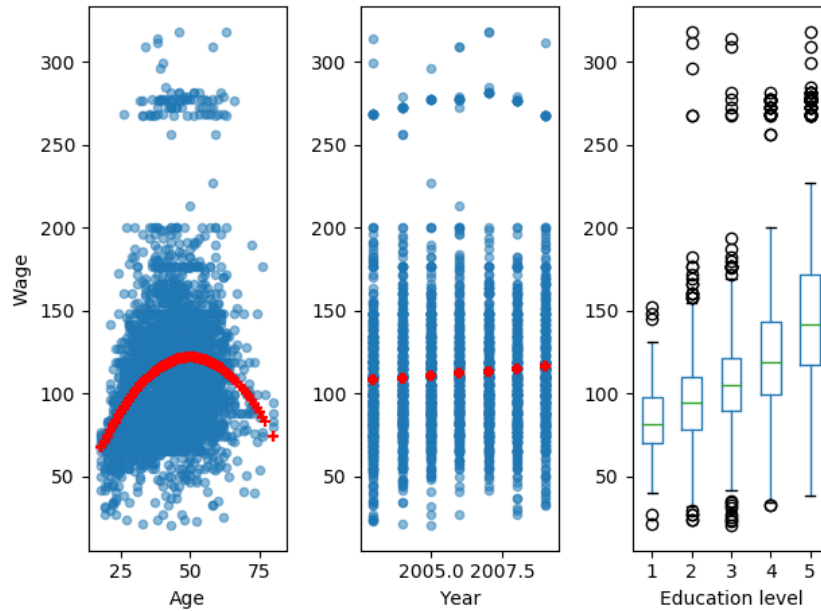


Figure 1: **Wage** data, which contains income survey information for males from the central Atlantic region of the United States. Left: **wage** as a function of **age**. On average, **wage** increases with **age** until about 60 years of age, at which point it begins to decline. Center: **wage** as a function of **year**. There is a slow but steady increase of approximately \$10,000 in the average **wage** between 2003 and 2009. Right: Boxplots displaying **wage** as a function of **education**, with 1 indicating the lowest level (no highschool diploma) and 5 the highest level (an advanced graduate degree). On average, **wage** increases with the level of **education**.