BI 610: Adv. Biol. Statistics Problem Set 4b Leah Blankenship, James Maze, Carina Ahrens Teacher: Clay Small University of Oregon Fall 2024

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The present data set contains the annual salary of recent Ph.D. graduates from six different fields (Applied Life Sciences, Math/Statistics, Physics/Chemistry, Earth Sciences & Biology, Engineering & Computer Science, Humanities/Social), who obtained their Ph.D. within the last 5 years. The annual salary is indicated in US dollars and was normalized for expected expenses depending on location and currency.

Additionally, the data contains information about where they obtained their Ph.D. (U.S. vs. internationally) as well as whether they followed their Ph.D. with a post-doctoral position or not (yes vs. no). The last predictor is the h-index which gives indication of the impact their publications have in their respective field (higher index = higher impact).

This data set was collected to investigate the question whether the h-index, pursuing a postdoctoral position after the Ph.D. and whether obtaining a Ph.D. in or outside the U.S. have an influence on the annual salary Ph.D. graduates make outside of academia graduating in different disciplines.