

Employment Dynamics : Bay Area

Team 10

The Bay Area has always been the powerhouse of cutting-edge technology companies and startup unicorns that generate millions of dollars every day. Its GDP reached \$838 billion back in 2017, pushing it to the world's 18th largest economy. Although the Bay Area has consistently outpaced the United States in terms of economic growth, its employment has only accelerated and exceeded that of the United States in recent years. Driven by this data (and curiosity), a team of UC Berkeley undergraduates decided to investigate whether graduating from their college with a degree in technology can lead to better outcomes in the Bay Area, in comparison with graduating from another university with a degree in technology.

Using resume data from sites such as LinkedIn and Indeed, the team matched Bay Area tech workers who graduated from UC Berkeley with the most similar Bay Area tech workers who graduated from other schools to compare their employment at top tech companies and the total number of promotions they received. They also built a linear regression model to predict the time between graduation and landing the first tech job based on self-reported skill set weights and highest degree level. Through the struggles and successes during analysis, the team was able to reach many eye-opening conclusions.