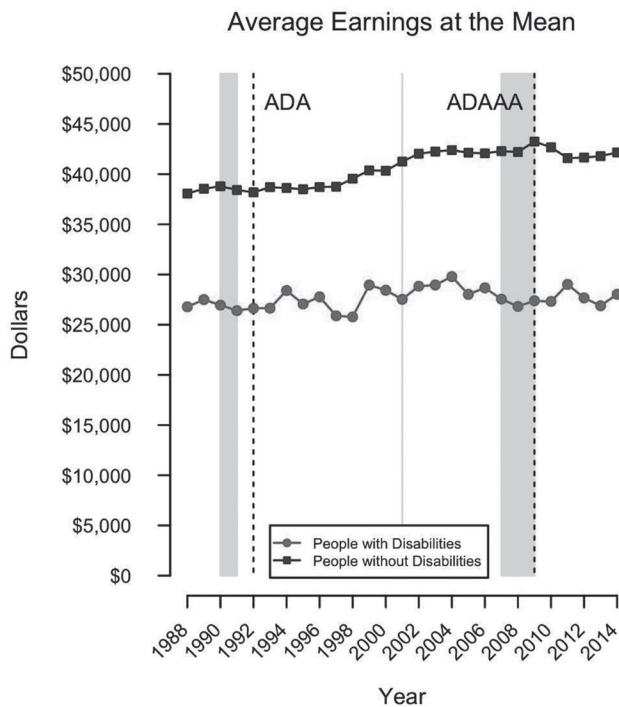


Investigating the Wage Gap: Race, Gender, and Ability

According to Maroto and Pettinicchio (2015), the average earnings for people with disabilities in 1988 were approximately \$27,000, and in 2014 were approximately \$28,000. Average earnings for people without a disability for 1988 were \$38,000 and for 2014 were \$42,000. The figure below shows Maroto and Pettinicchio's findings:



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- Develop a function to describe the relationship between time and the average earnings for those with a disability. Also develop a function to describe the same relationship for those without a disability.
- Use a graphing utility to graph each function. Graph both on the same coordinate plane. Answer the following questions:
 - Using your model, what would be the average earnings of a person without a disability in 2010? A person with a disability?
 - Using your model, when would a person with a disability have the same average earnings of a person without a disability in 1994?
- Using your model and respective graphs, how would you describe in general the gains made by those with and without disabilities?

