

How has the Benefits of University Changed over Time



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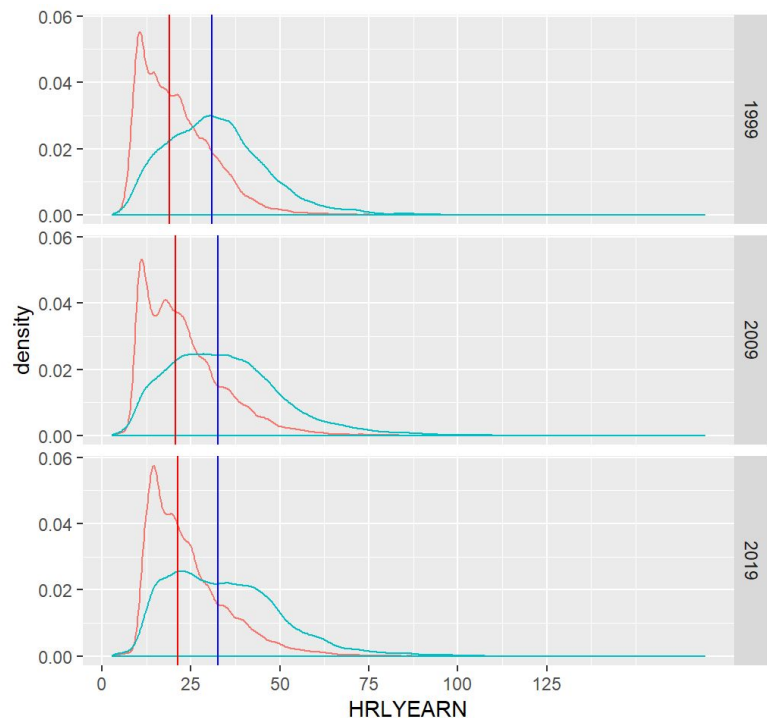
Intro

In order to determine if University education is “Worth It” we decided to analyze the following in depth

- Correlation between hourly wage and having a university education
- Relationship between being employed in your program of study and being employed outside your program of study
- Change in tuition per program of study



Hourly Wages Vs University Education



'Went to University'

TRUE
FALSE

year <dbl>	no_uni <dbl>	uni <dbl>	diff <dbl>
1999	19.08790	30.83430	11.74640
2009	20.61234	32.72681	12.11447
2019	21.24000	32.69000	11.45000
2029	22.46551	33.93940	11.47389

Approximative General Independence Test

data: HRLYEARN by SURVYEAR (1999, 2009, 2019)
maxT = 12.522, p-value < 2.2e-16
alternative hypothesis: two.sided **(Uni)**

Approximative General Independence Test

data: HRLYEARN by SURVYEAR (1999, 2009, 2019)
maxT = 38.919, p-value < 2.2e-16
alternative hypothesis: two.sided **(No Uni)**

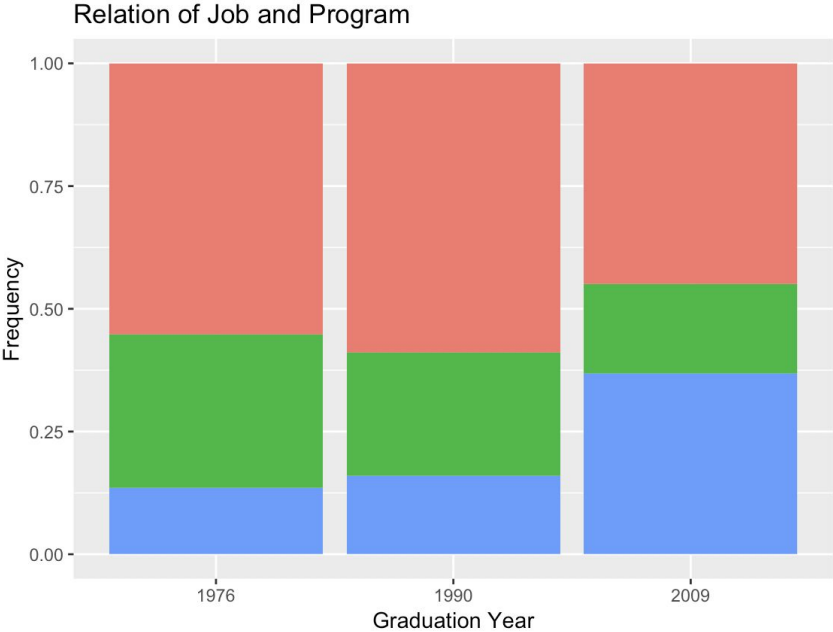
Cohen's d
d estimate: -0.2094599 (small) **(1999/2009)**

Cohen's d
d estimate: -0.3315928 (small) **(1999/2019)**

Cohen's d
d estimate: -0.1147567 (negligible) **(2009/2019)**



Relation between Job and Program of Study

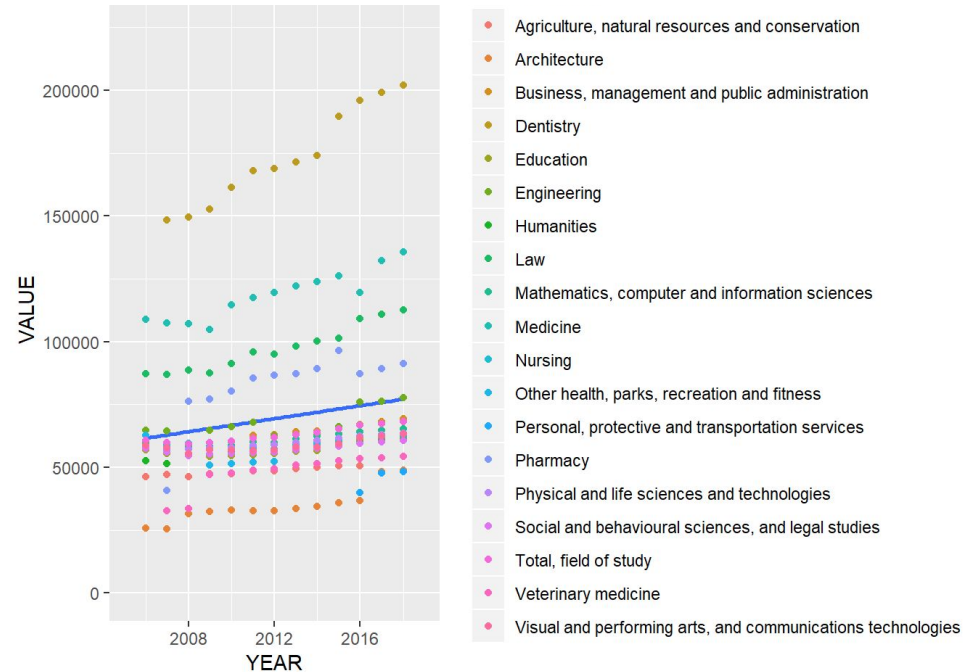


Relation Level

- Related
- Partly Related
- Not Related

survey	related	partly_related	not_related
1976	13192	7492	3237
1990	17504	7477	4746
2009	3904	1578	3202

2019	78457.85
2020	79751.66
2021	81045.46
2022	82339.26





Thank you !