

COSC 6323 - Statistical Methods in Research

Project Phase - 2

Members: Team-8

1. Farah Naz Chowdhury, ID:1798957, fchowdhury4@uh.edu
2. Md Rafiqul Islam Rabin, ID:1797648, mrabin@central.uh.edu
3. S M Salah Uddin Kadir , ID:1800503, ssalahuddinkadir@uh.edu

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Contributions: Contribution paragraph goes here.

Fig. 4:

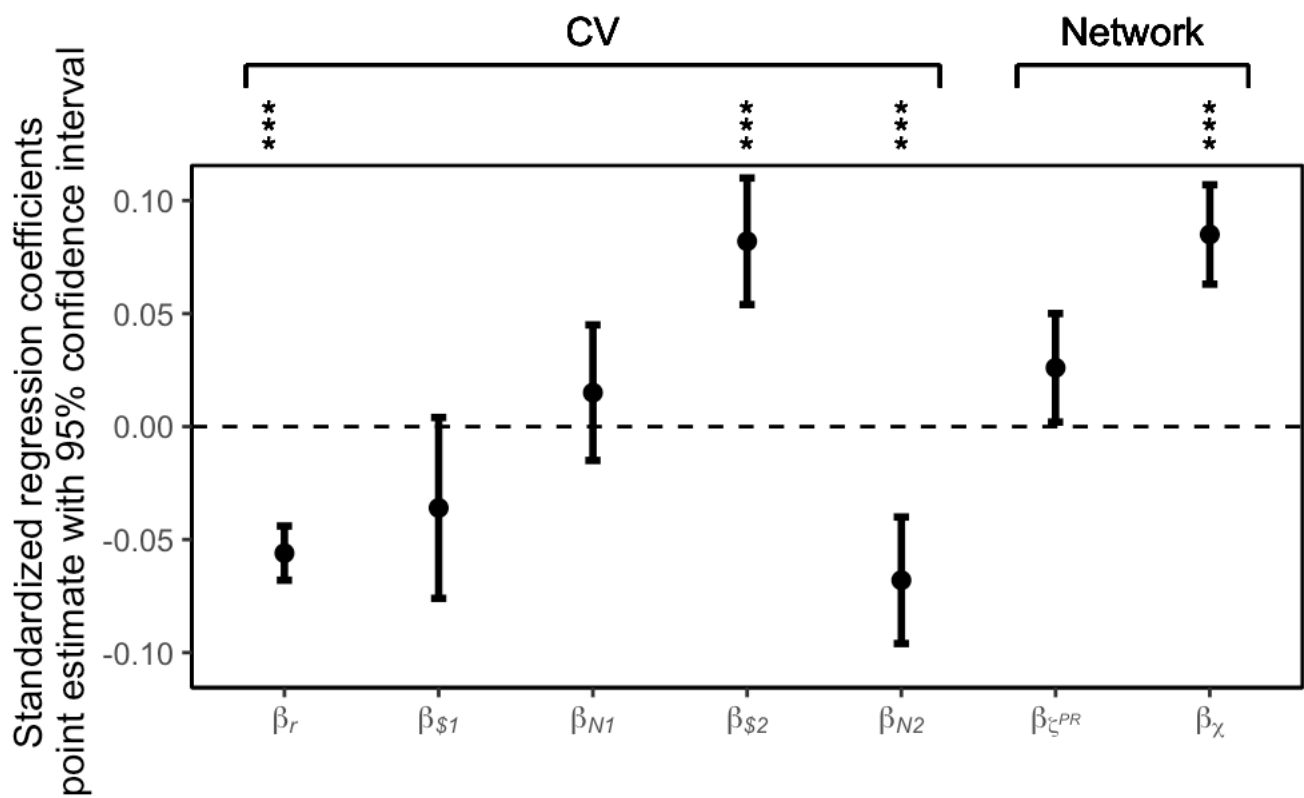


Fig. 4. Career cross-sectional regression model.

Description of figure content:

Descriptions goes here.

Observations, conclusions, and hypotheses:

observations goes here.

Table S2:

	(a) \mathcal{C}^{PR}	(b) \mathcal{C}^B	(c) \mathcal{C}^D	(d) β_{N1}, β_{N2}	(e) β_r
CV parameters					
Departmental rank, β_r	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Productivity (h -index), β_h	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Total NSF funding, $\beta_{\$1}$	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
# of NSF grants, β_{N1}	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Total NIH funding, $\beta_{\$2}$	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
# of NIH grants, β_{N2}	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Network parameters					
PageRank centrality, $\beta_{\mathcal{C}^{PR}}$	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Betweenness centrality, $\beta_{\mathcal{C}^B}$	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Degree centrality, $\beta_{\mathcal{C}^D}$	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Cross-disciplinarity, β_χ	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Discipline (\mathcal{O}) dummy	Y	Y	Y	Y	Y
5-year cohort ($y_{i,5}^0$) dummy	Y	Y	Y	Y	Y
Constant	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
n	3900	3387	3900	3900	3900
adj. R^2	0.882	0.873	0.883	0.882	0.881

Standard errors in parentheses, listed below coefficient estimate.

* $p \leq .05$, ** $p \leq .01$, *** $p \leq .001$

Table S2. Career data set: Pooled cross-sectional model.**Description of figure content:**

Descriptions goes here.

Observations, conclusions, and hypotheses:

observations goes here.

Table S3:

	(a) \mathcal{C}^{PR}	(b) \mathcal{C}^B	(c) \mathcal{C}^D	(d) β_{N1}, β_{N2}	(e) β_r
CV parameters					
Departmental rank, β_r	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Productivity (h -index), β_h	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Total NSF funding, $\beta_{\$1}$	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
# of NSF grants, β_{N1}	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Total NIH funding, $\beta_{\$2}$	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
# of NIH grants, β_{N2}	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Network parameters					
PageRank centrality, $\beta_{\mathcal{C}^{PR}}$	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Betweenness centrality, $\beta_{\mathcal{C}^B}$	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Degree centrality, $\beta_{\mathcal{C}^D}$	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Cross-disciplinarity, β_χ	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
Discipline (\mathcal{O}) dummy	Y	Y	Y	Y	Y
5-year cohort ($y_{i,5}^0$) dummy	Y	Y	Y	Y	Y
Constant	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)	-0.000*** (0.000)
n	3900	3387	3900	3900	3900
adj. R^2	0.882	0.873	0.883	0.882	0.881

Standard errors in parentheses, listed below coefficient estimate.

* $p \leq .05$, ** $p \leq .01$, *** $p \leq .001$

Table S3. Career data set: Pooled cross-sectional model-robustness check.

Description of figure content:

Descriptions goes here.

Observations, conclusions, and hypotheses:

observations goes here.