COSC 6323 - Statistical Methods in Research
Project Phase - 1

Members: Team-8

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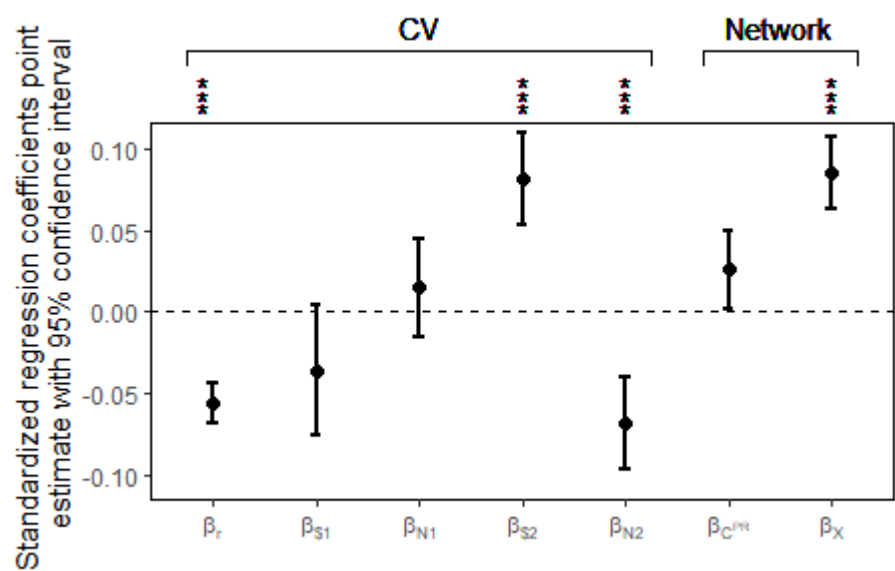**Contributions**: Contribution paragraph goes here.

Fig. 4. Career cross-sectional regression model.

Description of figure content:

Descriptions goes here.

Observations, conclusions, and hypotheses:

observations goes here.
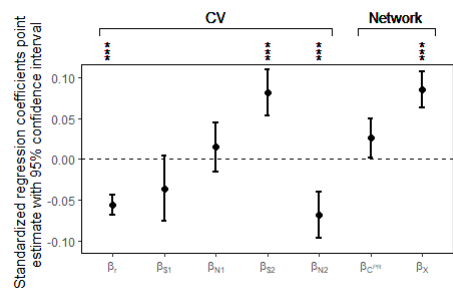
Table S2:

Table S2. Career data set: Pooled cross-sectional model.

Description of figure content:

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Observations, conclusions, and hypotheses:

observations goes here.

Table S3:

	(a) C^{PR}	(b) C^{B}	(c) 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)
	-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, $\beta_{C^{PR}}$	-0.000***	-0.000***	-0.000***	-0.000***	-0.000***
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Betweenness centrality, $\beta_{C^{B}}$	-0.000***	-0.000***	-0.000***	-0.000***	-0.000***
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Degree centrality, $\beta_{C^{D}}$	-0.000***	-0.000***	-0.000***	-0.000***	-0.000***
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Cross-disciplinarity, β_X	-0.000***	-0.000***	-0.000***	-0.000***	-0.000***
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Discipline (O) dummy	Y	Y	Y	Y	Y
5-year cohort ($y^0_{i,5}$) 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.