

Relationship of degree and income

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To investigate the relation between degree of a person (number of friends, acquaintances ...) and their income we used data provided by Matthew Salganik¹ that has been used in [1]. The degree in Figure 1 is estimated degree and income has been determined in [1] by asking the following question

"Now consider your family's household income from all sources. As I read a list, please stop me when I get to the income level that best describes your household income in 1999

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1 less than $10,000
2 $10,000 to $19,999
3 $20,000 to $29,999
4 $30,000 to $39,999
5 $40,000 to $49,999
6 $50,000 to $59,999
7 $60,000 to $79,999
8 $80,000 to $99,999
9 $100,000 to 150,000
10 Over 150,000
-8 Don't Know
-9 Not Available"
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References

- [1] Tian Zheng, Matthew J. Salganik, and Andrew Gelman. How many people do you know in prison?: Using overdispersion in count data to estimate social structure in networks., 2006.

¹<http://www.columbia.edu/~mjs2105/data.html>

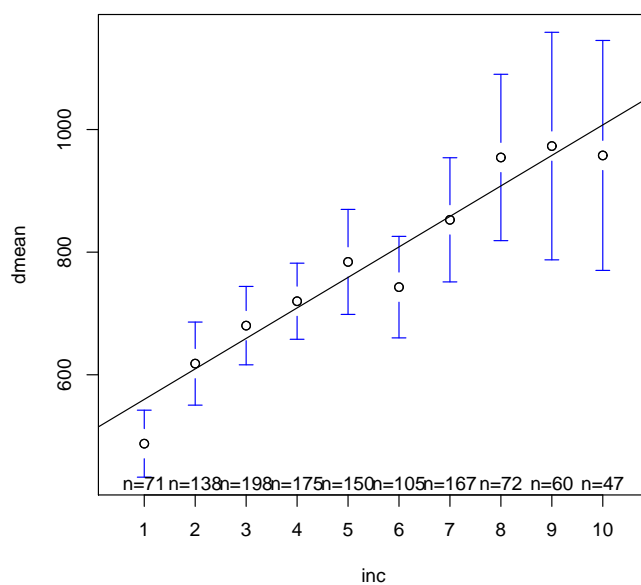


Figure 1: The mean degree of subjects in each income category together with confidence intervals for $p=0.95$. The linear fit has an intercept of 510.09 and $b = 49.75$.