Data Science 350

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Week 6 Homework

* Test if the distribution of degrees is Poisson. (reuse K-S code)

The p-value extracted (2.2e-16) from the comparison of the Facebook source when compared with the sample drawn from the Poisson distribution with the same mean as in the Facebook edges sample strongly indicates that the Facebook source sample could not have come from the Poisson distribution.

D = 1, p-value < 2.2e-16

* Test if the distribution of degrees is a Power Law. (igraph)

The p-value extracted from the output of the power.law.fit is below. The p-value being extremely high (.9992188) strongly indicates that the sample of Facebook sources under test could have been drawn from the power-lad distribution.

[1] 0.9992188

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