

Enron Email Analysis

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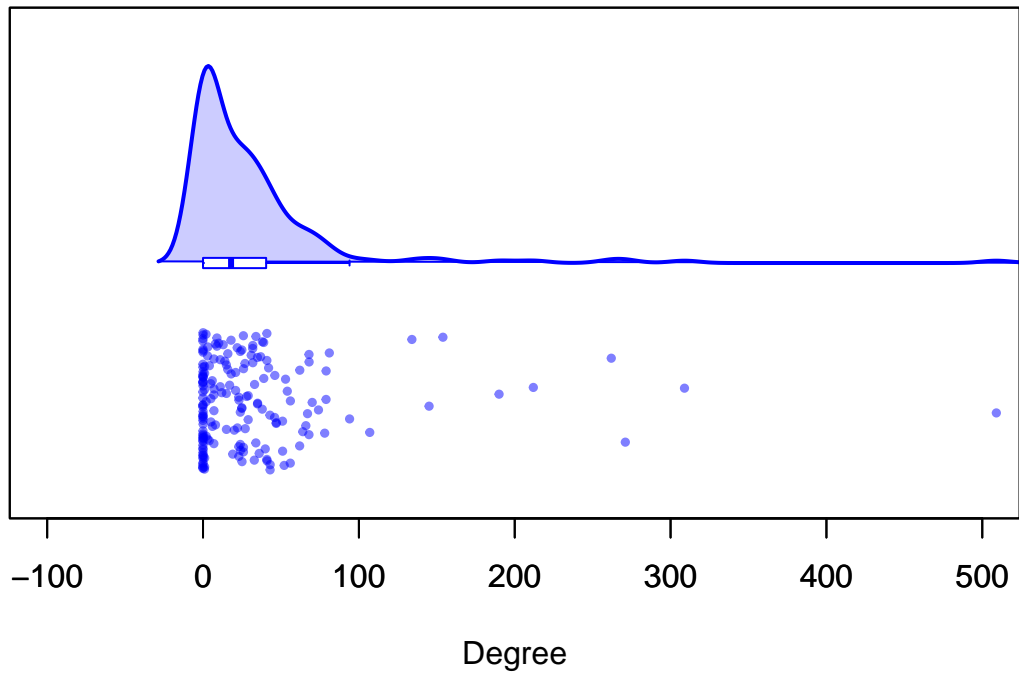
Number of emails exchanged in September 2001: 3762

Number of emails exchanged in October 2001: 10796

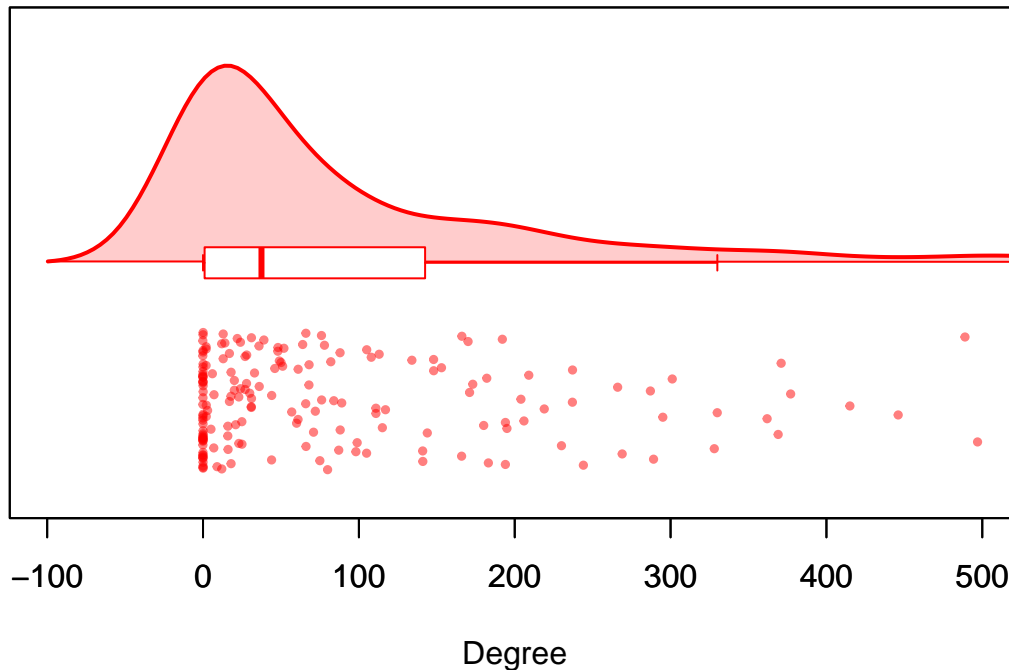
Average degree in September 2001: 38.20652

Average degree in October 2001: 109.2826

Degree Distribution: September 2001



Degree Distribution: October 2001



We could see in both months that the data is generally right skewed. This indicates that a large number of emails were transmitted from a small group of people possibly executives worrying about the impending scandal, while the rest of the staff carried on business as usual.

You could see that the peak is more steep in September as in October. At which point news about the scandal broke out and now all employees were transmitting many emails talking about this at a similar level to executives

There are many accounts with 0 emails sent and that's as expected not everyone necessarily sent or received emails that given month

`## Density in September 2001: 0.01484913`

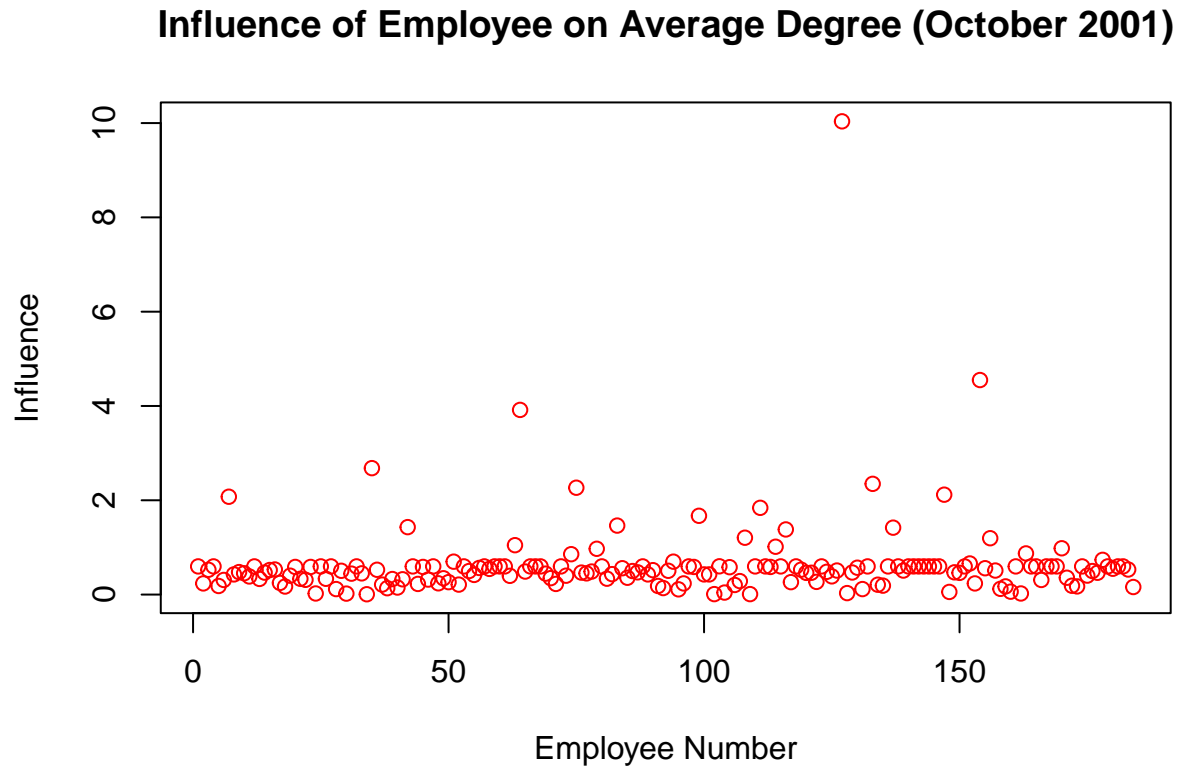
`## Density in October 2001: 0.02292706`

We could see as expected the density nearly doubled in October. A higher density means that a larger proportion of possible email connections were actually used. In other words communication was more widespread.

We could see the data is quite right skewed in September. This indicates that a large number of emails were transmitted from a small group of people possibly executives worrying about the impending scandal, while the rest of the staff carried on business as usual

We could see this starts to level out more in October at which point the news about the scandal broke out and now all employees were transmitting many emails talking about this at a similar level to executives

There are many accounts with 0 emails sent and that's as expected not everyone necessarily sent or received emails that given month



The employee with the highest influence in October 2001 has the job title: In House Lawyer and is emp
It makes snese that the In House Lawyer had the highest influence. They were likely involved in the decision making processes during the scandal.