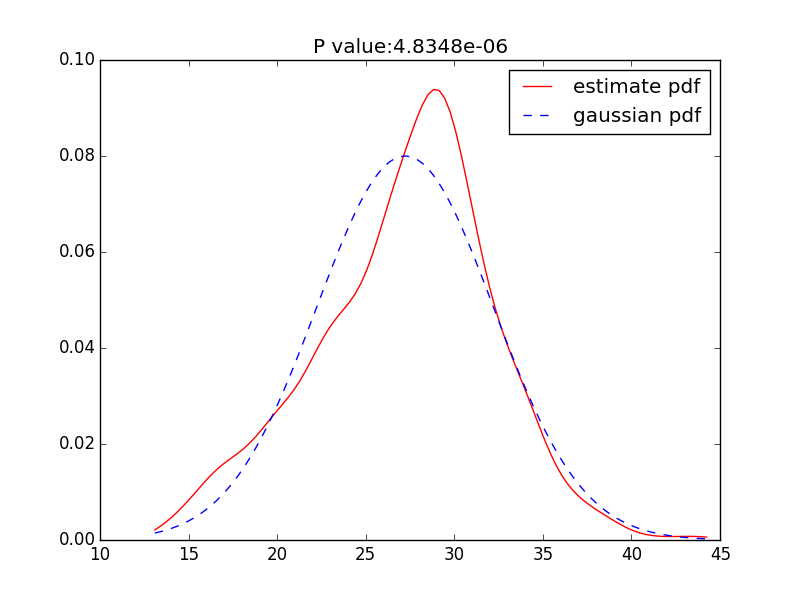
# Assumptions of ANOVA

# Hypothesis

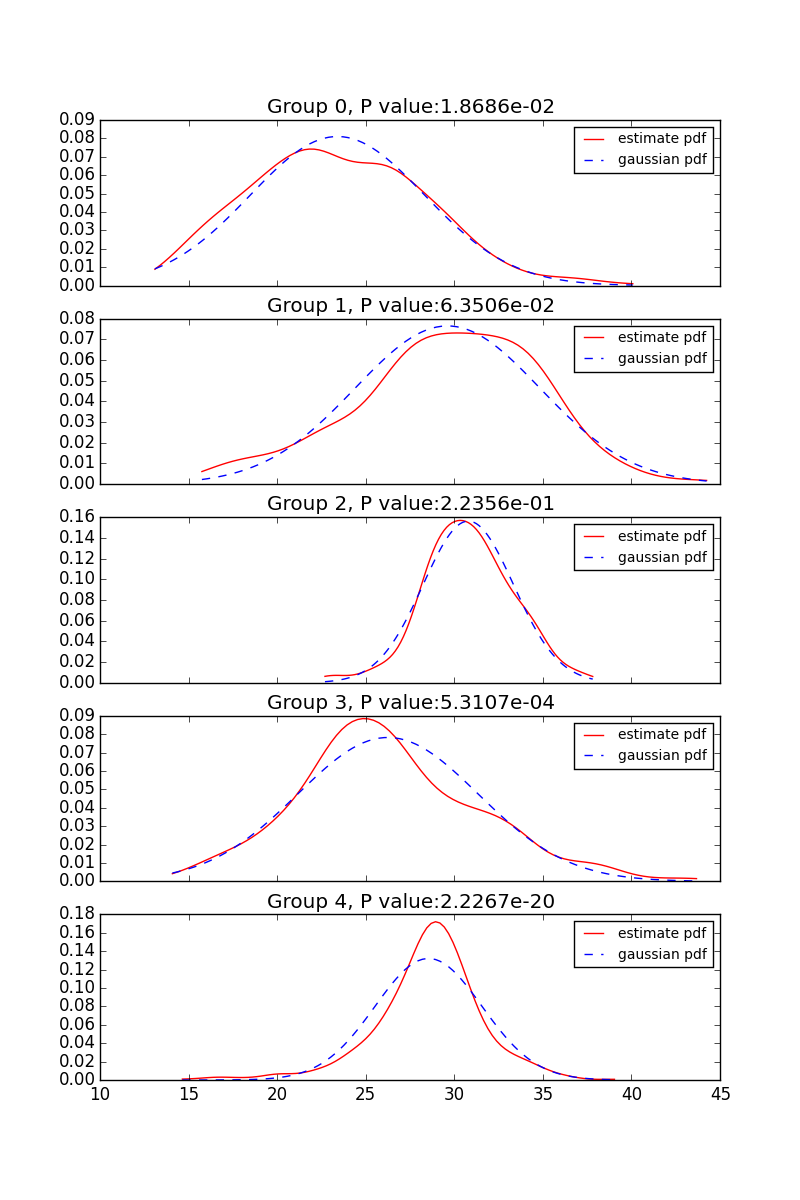
* Null hypothesis: Average age is the same across all categories.
* Alternative hypothesis: Average age varies across categories

# ANOVA of age

1. Average age



1. Average age components

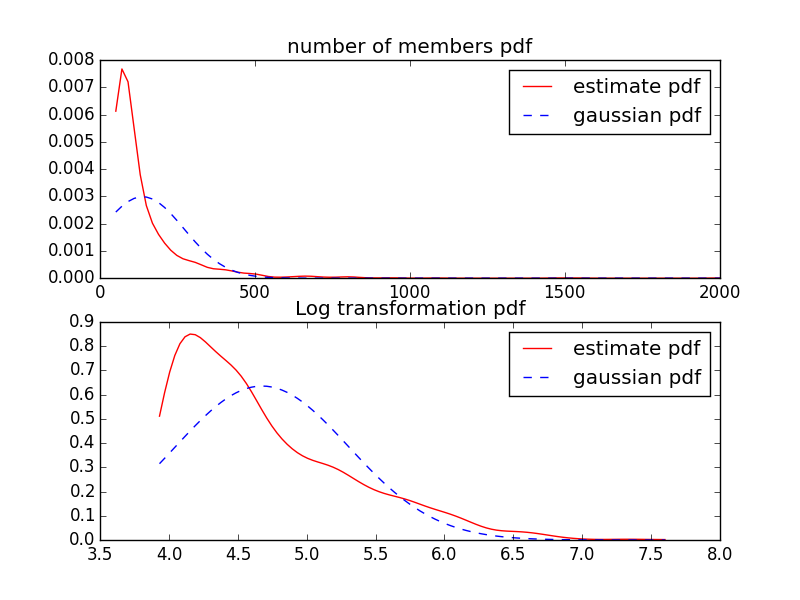


|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 |
| Variance | 24.19 | 27.13 | 6.48 | 25.93 | 9.10 |
| Std. Dev | 4.92 | 5.21 | 2.55 | 5.09 | 3.02 |

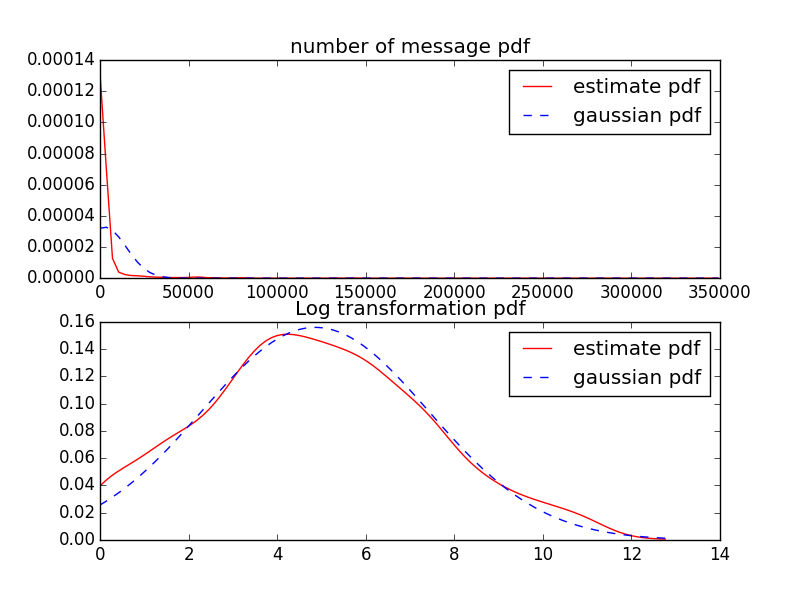
Max and Min standard deviation ratio is 2.04. Although not strictly, it satisfies the thumb rule that the ratio should be less than 2.

# Other columns

1. Number of members



1. Number of messages



1. Number of conversations

