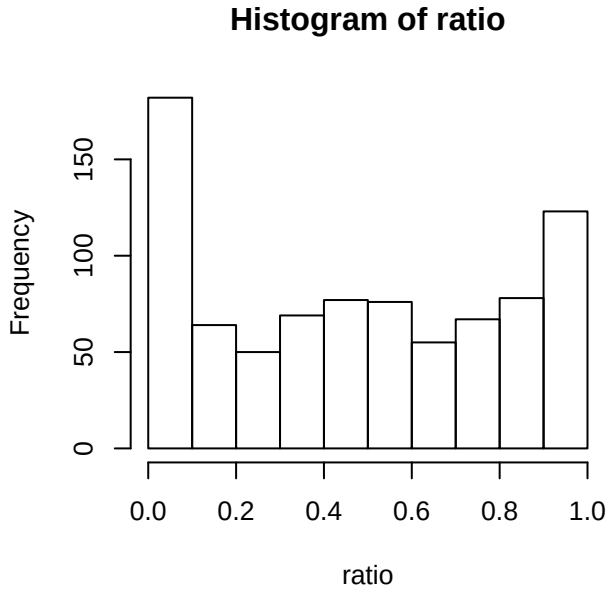
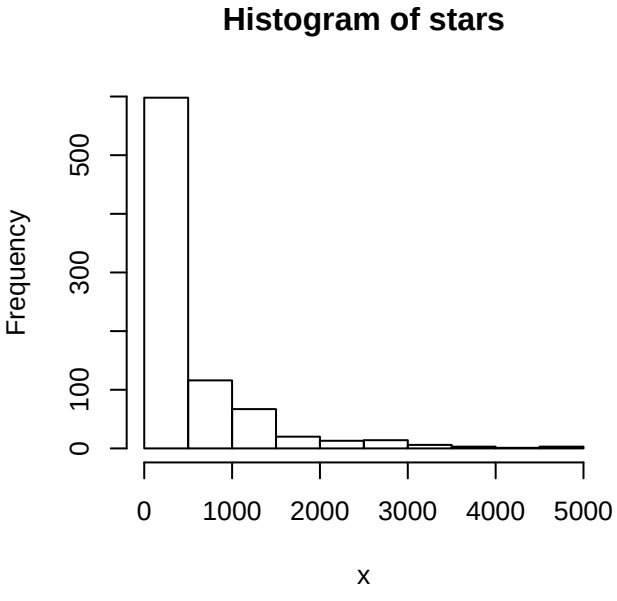
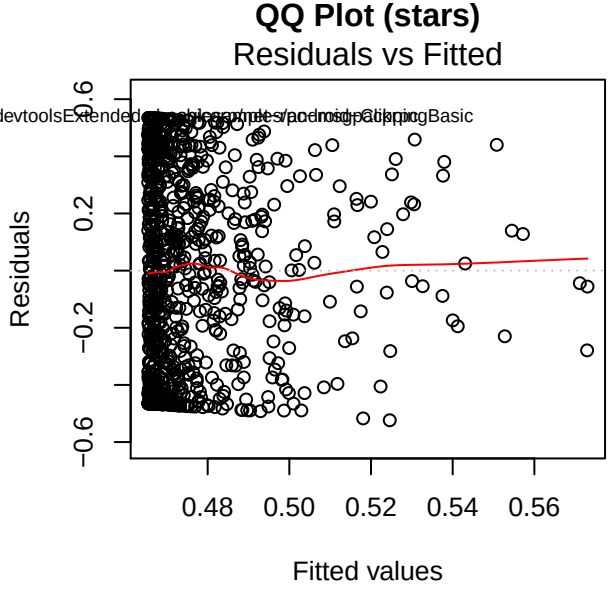
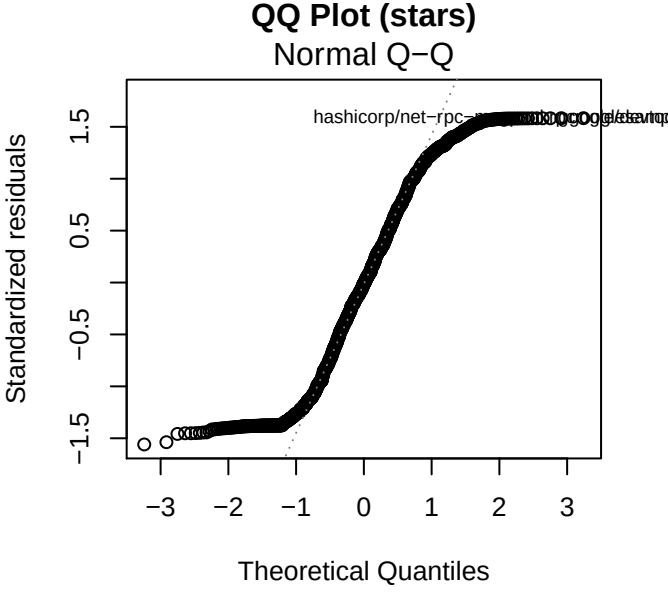
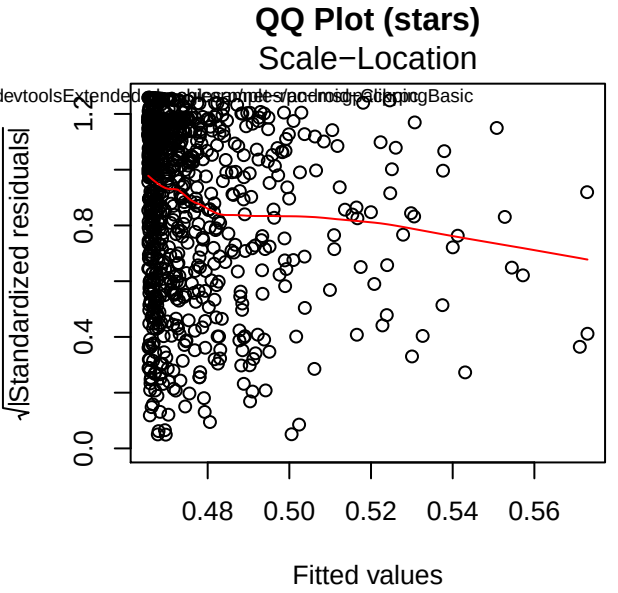
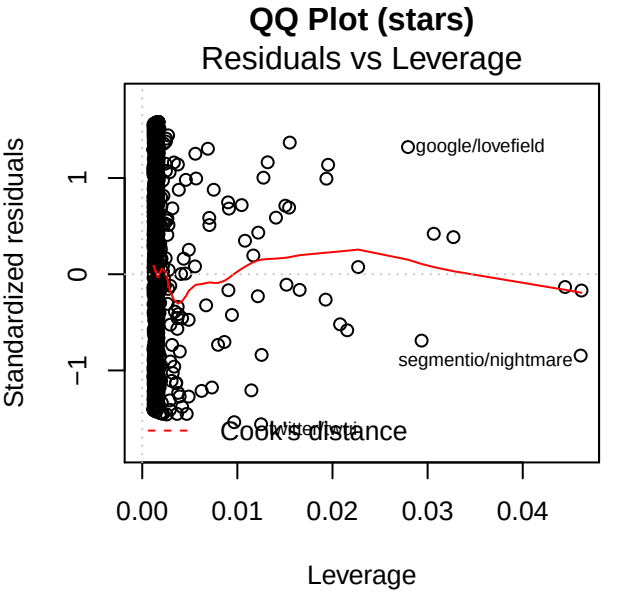

Histogram of ratio
Frequency
0
50
100
150
0.0
0.2
0.4
0.6
0.8
1.0
ratio

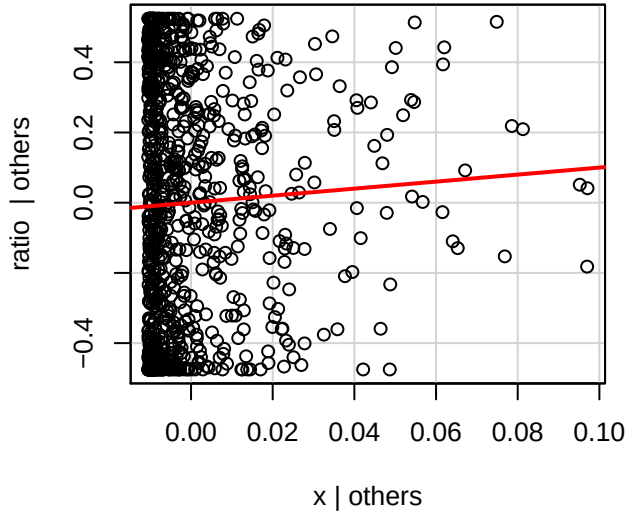

Histogram of stars
Frequency
0
100
300
500
0
1000
2000
3000
4000
5000
x

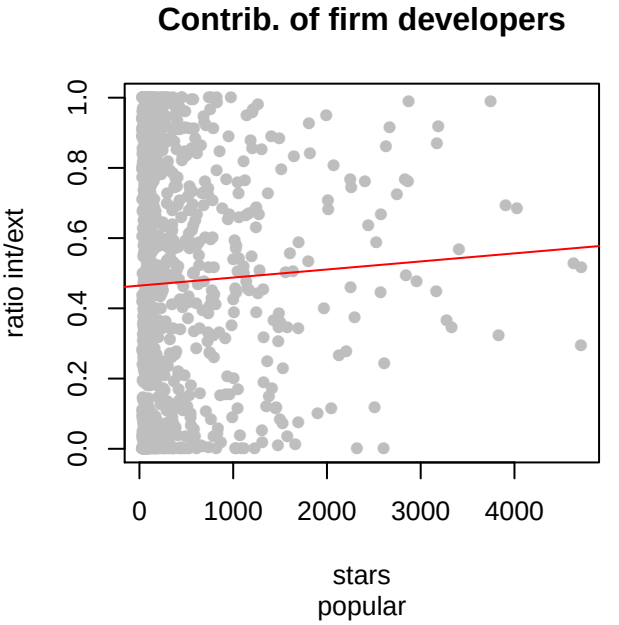

QQ Plot (stars)
Residuals vs Fitted
Residuals
−0.6
−0.2
0.2
0.48
0.50
0.52
0.54
0.56
Fitted values

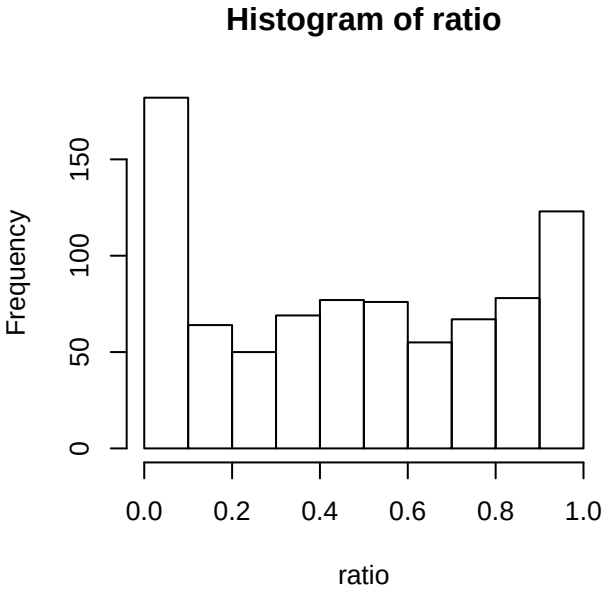

QQ Plot (stars)
Normal Q−Q
Standardized residuals
−1.5
−0.5
0.5
1.5
−3
−2
−1
0
1
2
3
Theoretical Quantiles

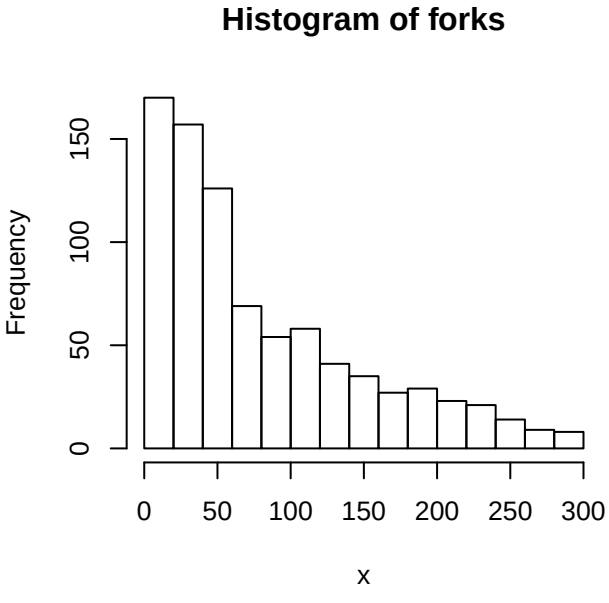

QQ Plot (stars)
Scale−Location
√|Standardized residuals|
Fitted values
0.48
0.50
0.52
0.54
0.56
0.0
0.4
0.8

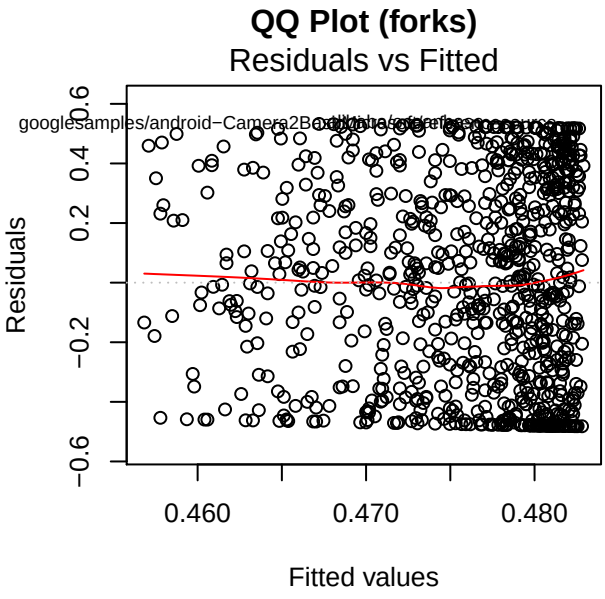

QQ Plot (stars)
Residuals vs Leverage
Standardized residuals
Leverage
Cook's distance
google/lovefield
segmentio/nightmare
0.00
0.01
0.02
0.03
0.04
−1
0
1

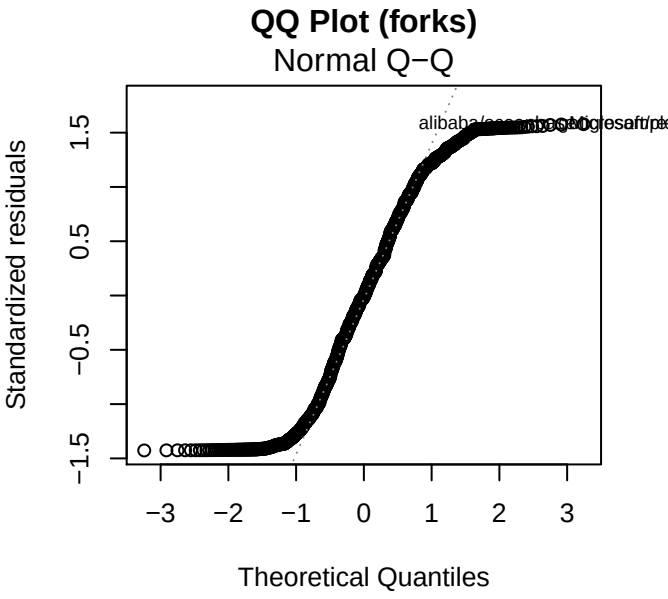

ratio | others
x | others
0.00
0.02
0.04
0.06
0.08
0.10
−0.4
0.0
0.2
0.4

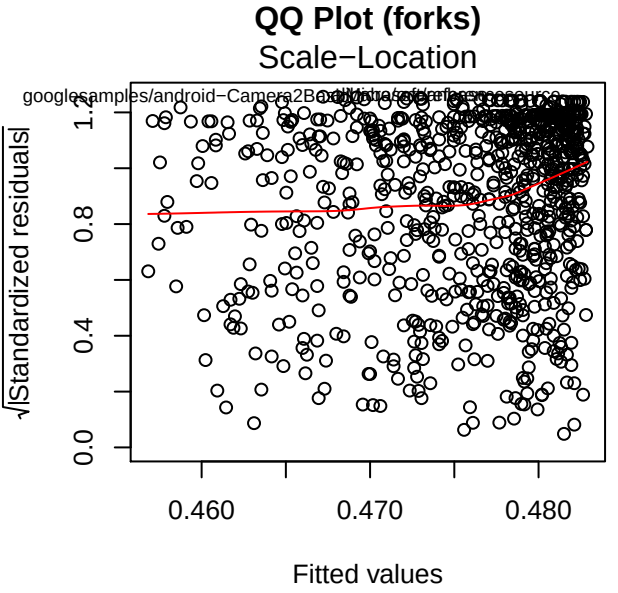

Contrib. of firm developers
ratio int/ext
stars
popular
0
1000
2000
3000
4000
0.0
0.2
0.4
0.6
0.8
1.0

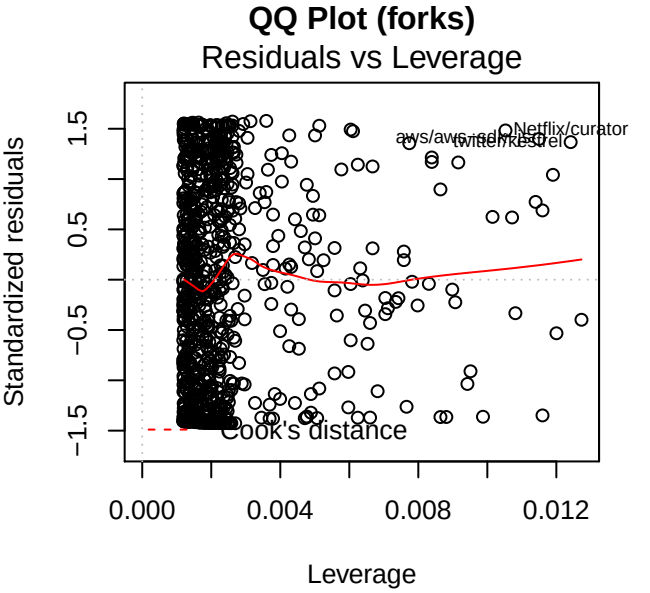

Histogram of ratio
Frequency
0
50
100
150
0.0
0.2
0.4
0.6
0.8
1.0
ratio

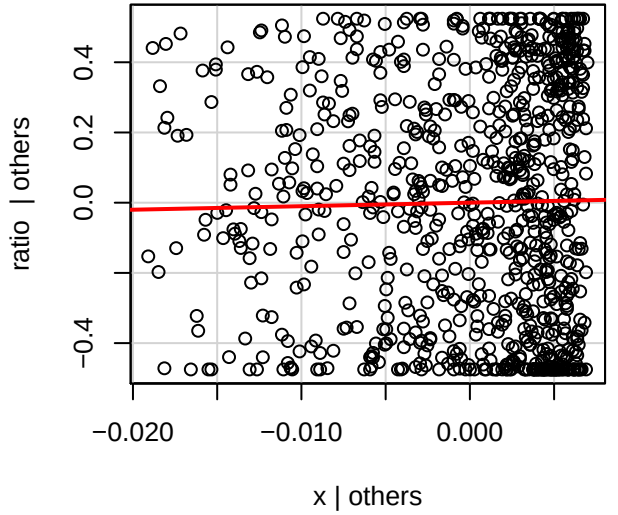

Histogram of forks
Frequency
0
50
100
150
0
50
100
150
200
250
300
x

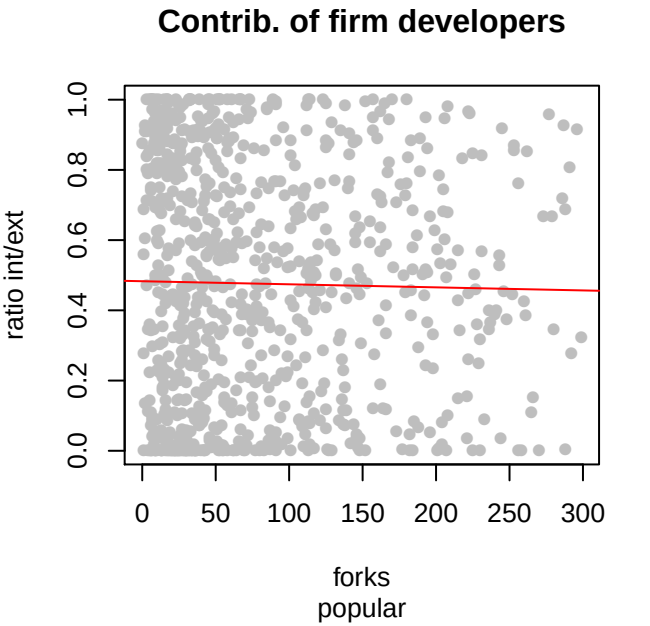

QQ Plot (forks)
Residuals vs Fitted
Residuals
−0.6
−0.2
0.2
0.4
0.6
0.460
0.470
0.480
Fitted values

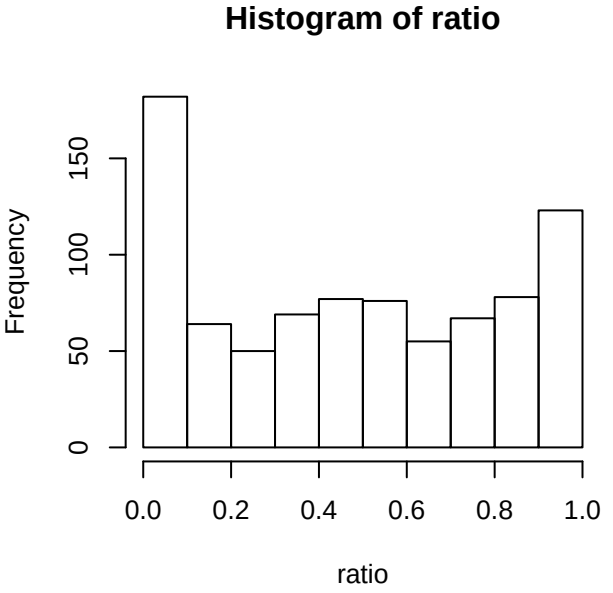

QQ Plot (forks)
Normal Q−Q
Standardized residuals
−1.5
−0.5
0.5
1.5
−3
−2
−1
0
1
2
3
Theoretical Quantiles

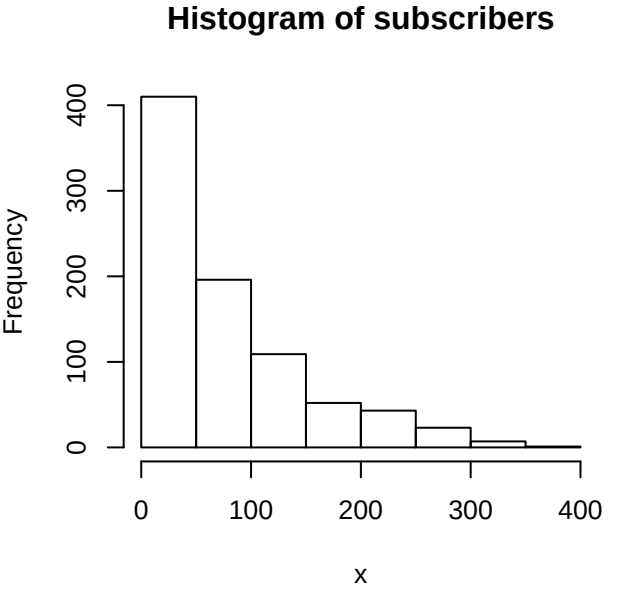

QQ Plot (forks)
Scale−Location
√|Standardized residuals|
Fitted values
0.460
0.470
0.480
0.0
0.4
0.8

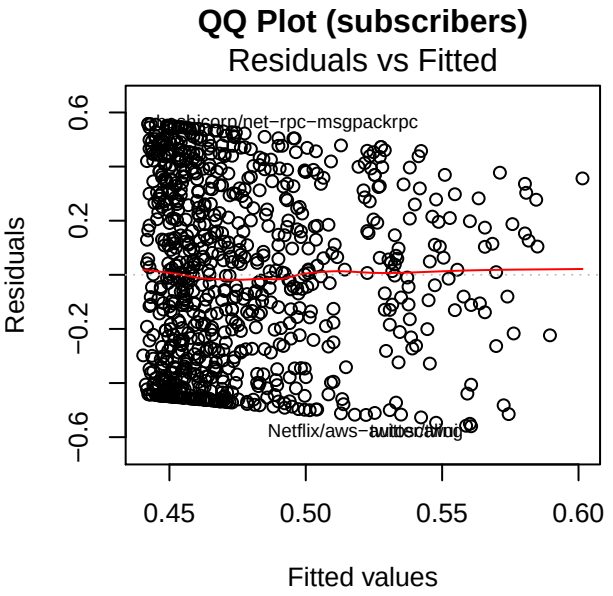

QQ Plot (forks)
Residuals vs Leverage
Standardized residuals
Leverage
Cook's distance
Netflix/curator
0.000
0.004
0.008
0.012
−1.5
−0.5
0.5
1.5

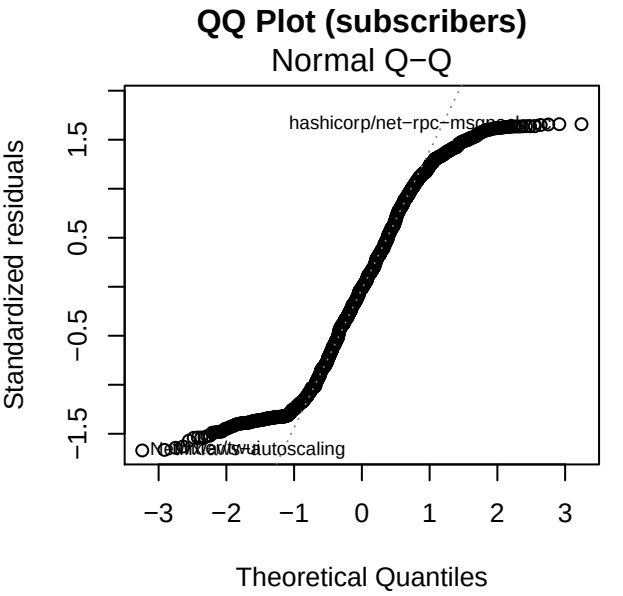

ratio | others
x | others
−0.020
−0.010
0.000
−0.4
0.0
0.2
0.4

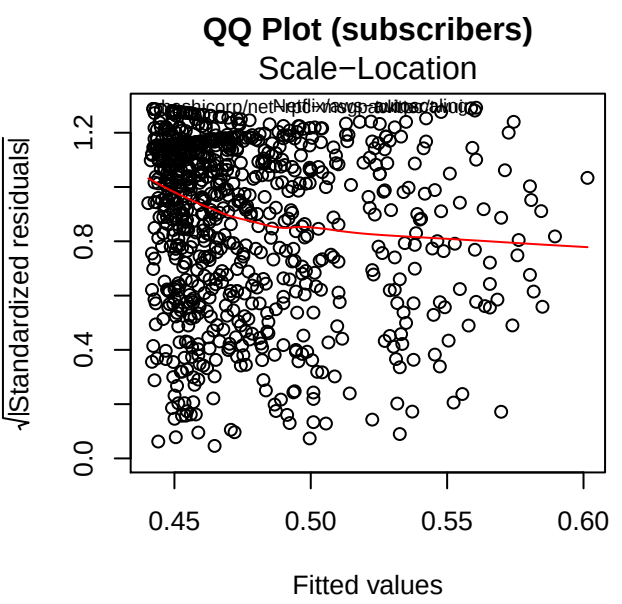

Contrib. of firm developers
ratio int/ext
forks
popular
0
50
100
150
200
250
300
0.0
0.2
0.4
0.6
0.8
1.0

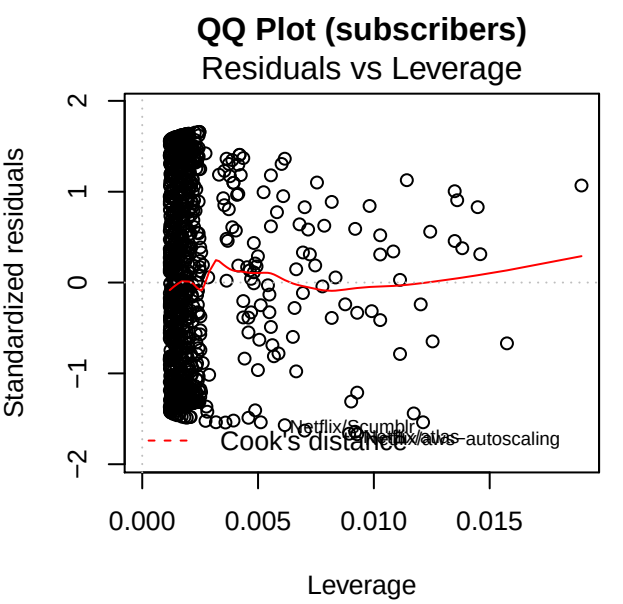

Histogram of ratio
Frequency
0
50
100
150
0.0
0.2
0.4
0.6
0.8
1.0
ratio

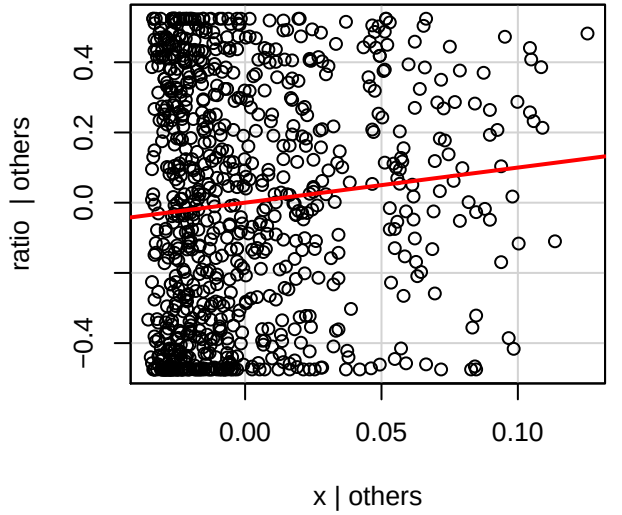

Histogram of subscribers
Frequency
0
100
200
300
400
0
100
200
300
400
x

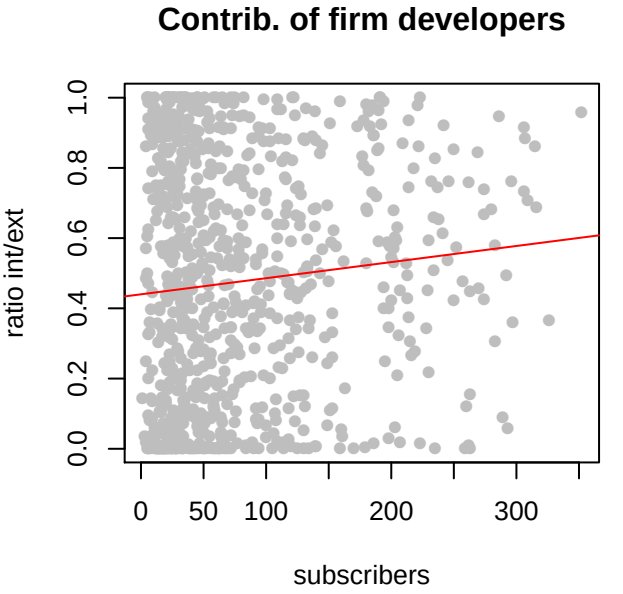

QQ Plot (subscribers)
Residuals vs Fitted
Residuals
−0.6
−0.2
0.2
0.6
0.45
0.50
0.55
0.60
Fitted values
Netflix/aws−autoscaling

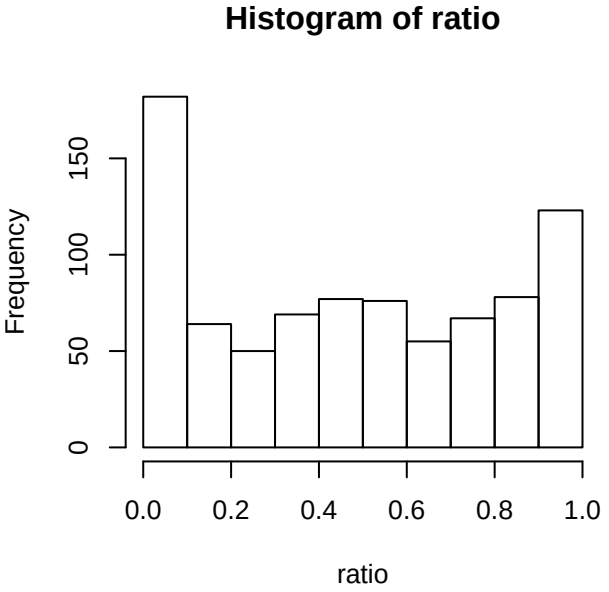

QQ Plot (subscribers)
Normal Q−Q
Standardized residuals
−1.5
−0.5
0.5
1.5
−3
−2
−1
0
1
2
3
Theoretical Quantiles
hashicorp/net−rpc−msgpackrpc
Netflix/aws−autoscaling

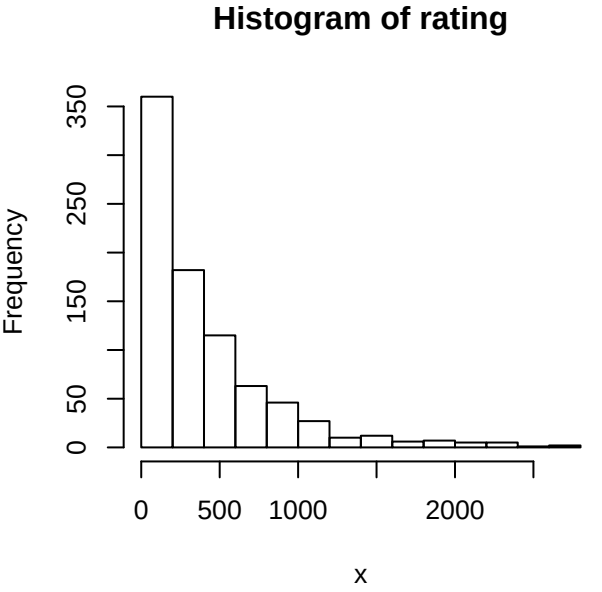

QQ Plot (subscribers)
Scale−Location
√|Standardized residuals|
Fitted values
0.0
0.4
0.8
1.2
0.45
0.50
0.55
0.60

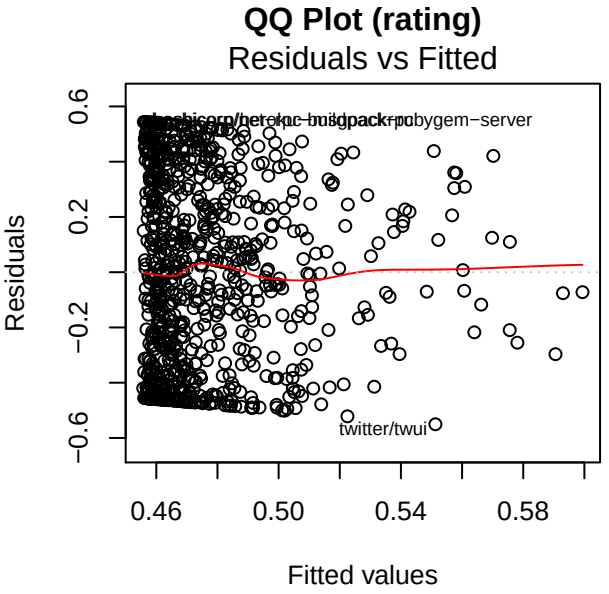

QQ Plot (subscribers)
Residuals vs Leverage
Standardized residuals
Leverage
Cook's distance
Netflix/Scumblr
Netflix/vasp-autoscaling
−2
−1
0
1
2
0.000
0.005
0.010
0.015

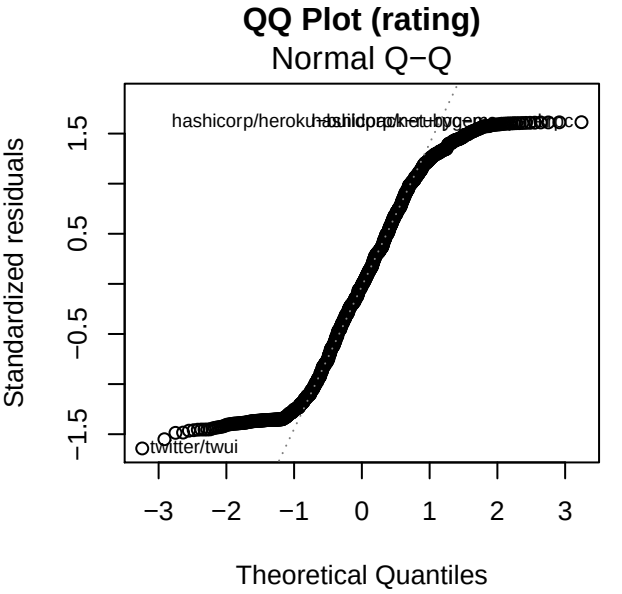

ratio | others
x | others
−0.4
0.0
0.2
0.4
0.00
0.05
0.10

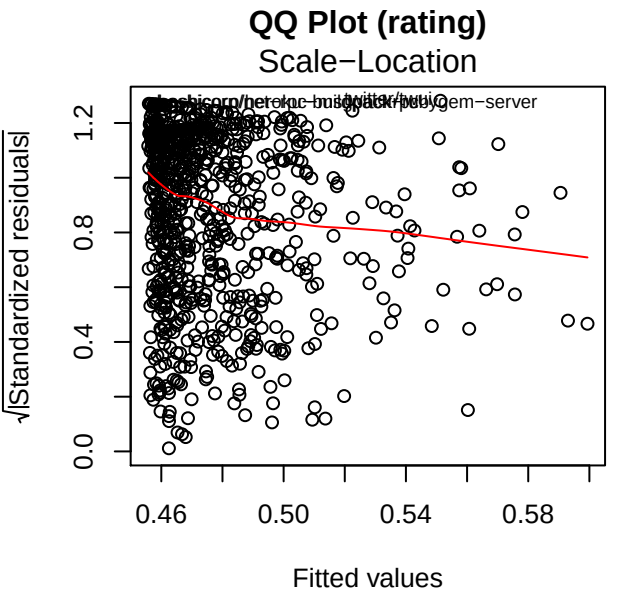

Contrib. of firm developers
ratio int/ext
subscribers
popular
0.0
0.2
0.4
0.6
0.8
1.0
0
50
100
200
300

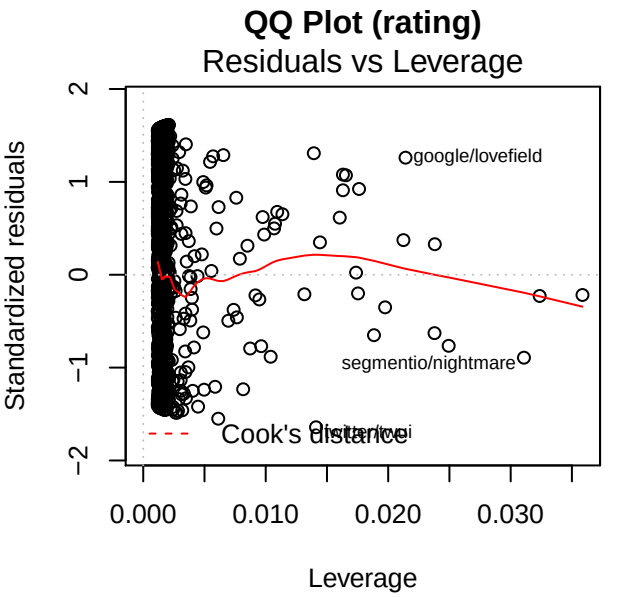

Histogram of ratio
Frequency
0
50
100
150
0.0
0.2
0.4
0.6
0.8
1.0
ratio

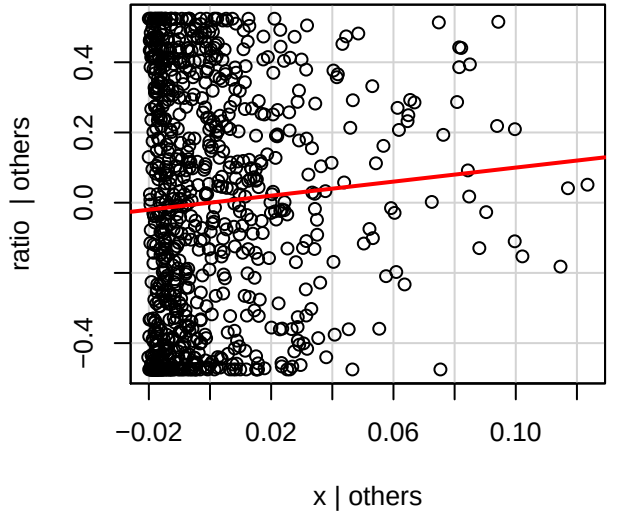

Histogram of rating
Frequency
0
50
150
250
350
0
500
1000
2000
x

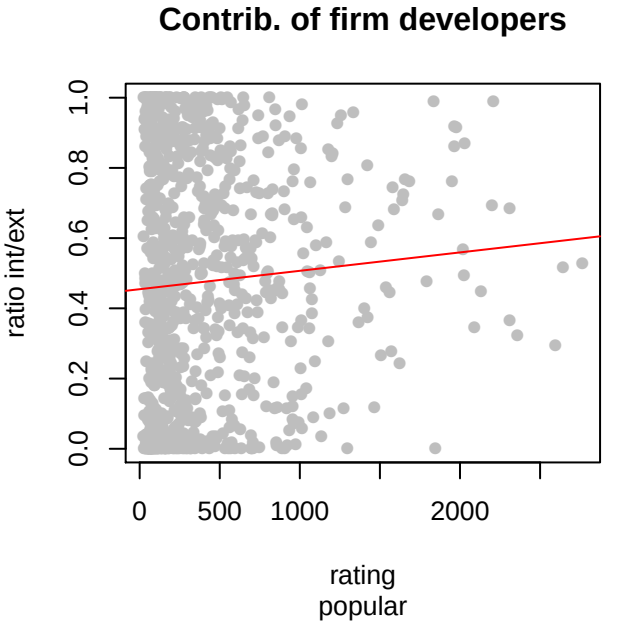

QQ Plot (rating)
Residuals vs Fitted
Residuals
−0.6
−0.2
0.2
0.6
0.46
0.50
0.54
0.58
Fitted values
twitter/twui

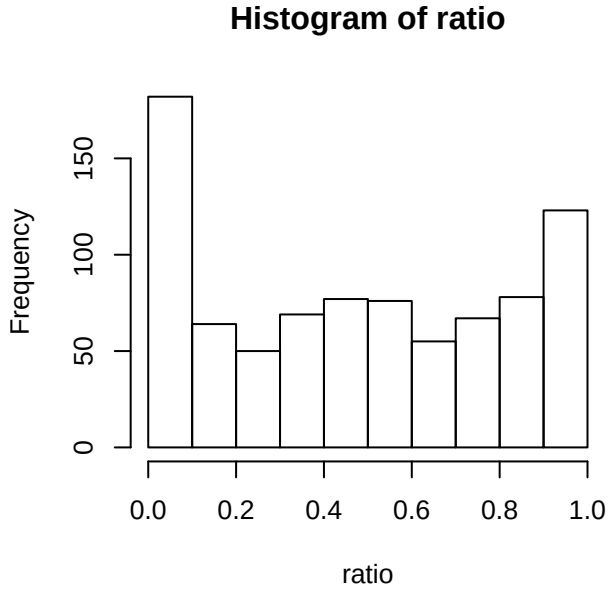

QQ Plot (rating)
Normal Q−Q
Standardized residuals
−1.5
−0.5
0.5
1.5
−3
−2
−1
0
1
2
3
Theoretical Quantiles
twitter/twui

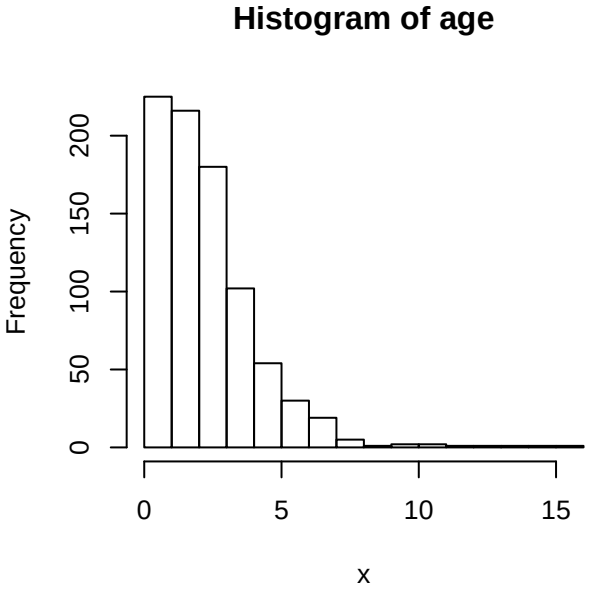

QQ Plot (rating)
Scale−Location
√|Standardized residuals|
0.0
0.4
0.8
1.2
0.46
0.50
0.54
0.58
Fitted values

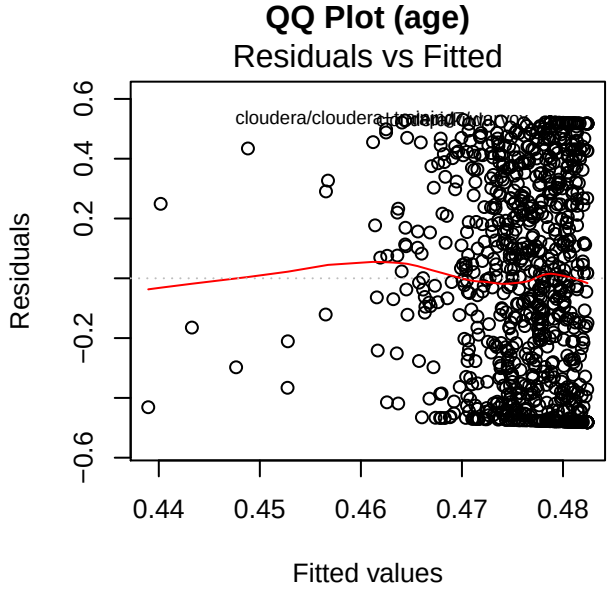

QQ Plot (rating)
Residuals vs Leverage
Standardized residuals
2
1
0
−1
−2
google/lovefield
segmentio/nightmare
Cook's distance
0.000
0.010
0.020
0.030
Leverage

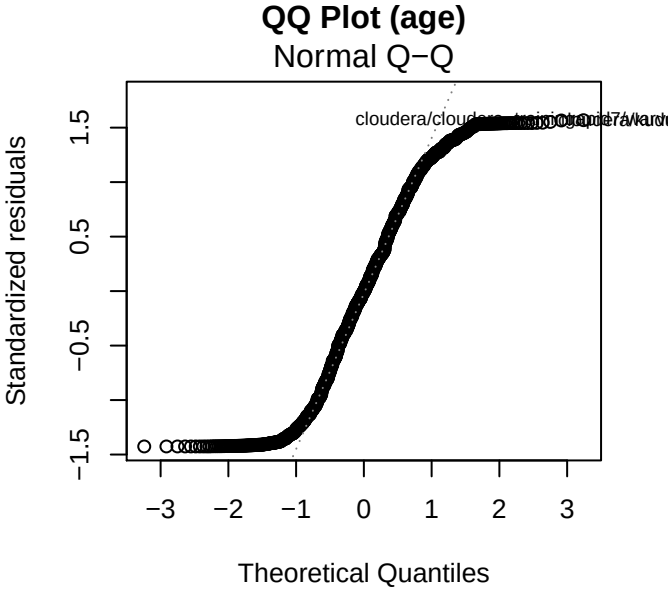

ratio | others
0.4
0.2
0.0
−0.4
−0.02
0.02
0.06
0.10
x | others

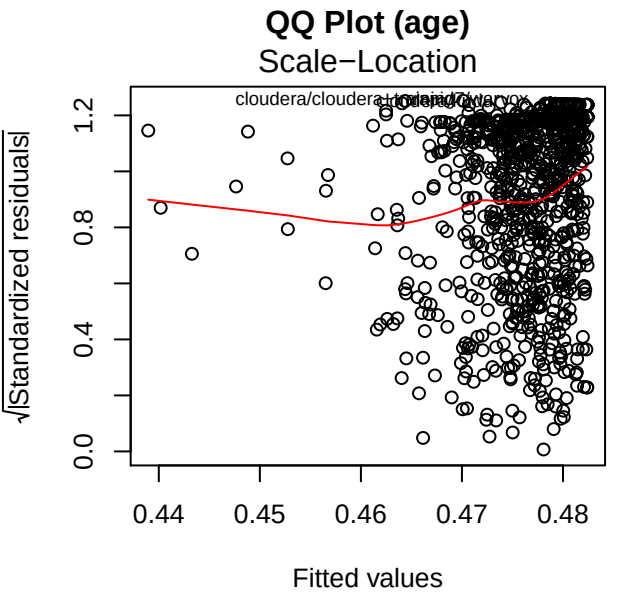

Contrib. of firm developers
ratio int/ext
1.0
0.8
0.6
0.4
0.2
0.0
0
500
1000
2000
rating
popular

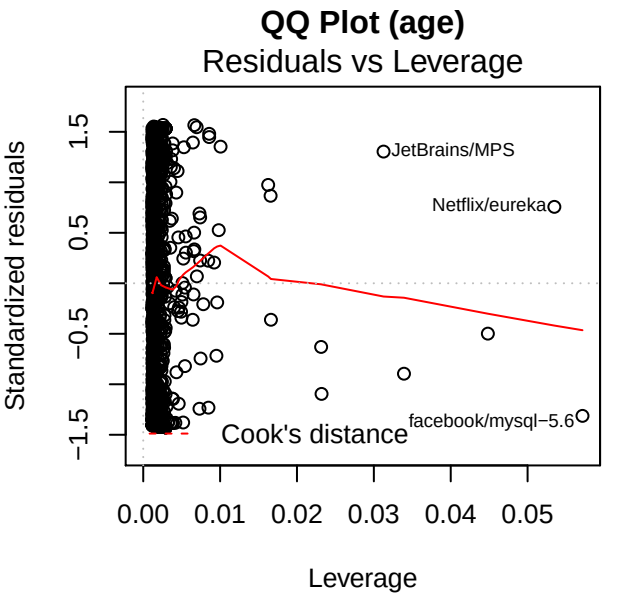

Histogram of ratio
Frequency
0
50
100
150
0.0
0.2
0.4
0.6
0.8
1.0
ratio

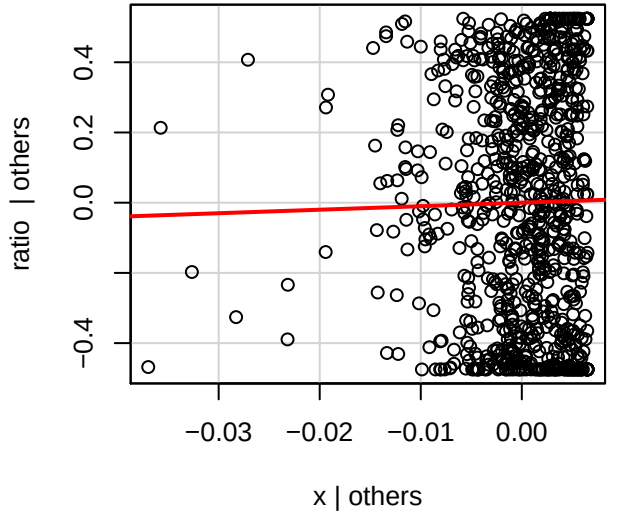

Histogram of age
Frequency
0
50
100
150
200
0
5
10
15
x

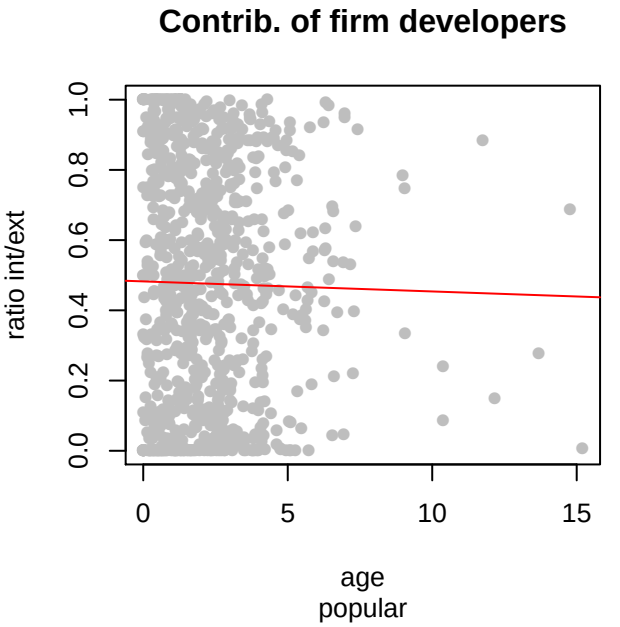

QQ Plot (age)
Residuals vs Fitted
Residuals
−0.6
−0.2
0.2
0.4
0.6
0.44
0.45
0.46
0.47
0.48
Fitted values


QQ Plot (age)
Normal Q−Q
Standardized residuals
−1.5
−0.5
0.5
1.5
−3
−2
−1
0
1
2
3
Theoretical Quantiles


QQ Plot (age)
Scale−Location
√|Standardized residuals|
Fitted values
0.0
0.4
0.8
1.2
0.44
0.45
0.46
0.47
0.48


QQ Plot (age)
Residuals vs Leverage
Standardized residuals
Leverage
JetBrains/MPS
Netflix/eureka
facebook/mysql−5.6
Cook's distance
−1.5
−0.5
0.5
1.5
0.00
0.01
0.02
0.03
0.04
0.05


ratio | others
x | others
−0.4
0.0
0.2
0.4
−0.03
−0.02
−0.01
0.00


Contrib. of firm developers
ratio int/ext
age
popular
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15