

Socio-technical analysis result ( VLC )

|    | range.date           |                    | devs               | ml.only.devs          | code.only.devs    | ml.code.devs | perc.ml.only.devs | perc.code.only.devs | perc.ml.code.devs | sponsored.devs    | ratio.sponsored | sponsored.core.devs | ratio.sponsored.core | num.tz   | core.global.devs | core.mail.devs | core.code.devs      | org.silo            | prima.donnas      | radio.silence        | black.cloud          | missing.links | st.congruence | communicability | global.turnover | code.turnover |
|----|----------------------|--------------------|--------------------|-----------------------|-------------------|--------------|-------------------|---------------------|-------------------|-------------------|-----------------|---------------------|----------------------|----------|------------------|----------------|---------------------|---------------------|-------------------|----------------------|----------------------|---------------|---------------|-----------------|-----------------|---------------|
| 1  | 2013-05 – 2013-08    |                    | 131                | 69                    | 32                | 30           | 0.5267            | 0.2443              | 0.2290            | 29                | 0.2214          | 0                   | 0.0000               | 17       | 39               | 38             | 10                  | 13                  | 0                 | 46                   | 0                    | 26            | 0.4694        | 0.9098          | 0.0000          | 0.0000        |
| 2  | 2013-08 – 2013-11    |                    | 106                | 62                    | 3                 | 41           | 0.5849            | 0.0283              | 0.3868            | 7                 | 0.0660          | 0                   | 0.0000               | 21       | 40               | 39             | 12                  | 2                   | 0                 | 54                   | 0                    | 12            | 0.7143        | 0.9529          | 0.7595          | 0.8113        |
| 3  | 2013-11 – 2014-02    |                    | 101                | 54                    | 9                 | 38           | 0.5347            | 0.0891              | 0.3762            | 8                 | 0.0792          | 0                   | 0.0000               | 15       | 35               | 34             | 13                  | 4                   | 2                 | 51                   | 1                    | 26            | 0.6176        | 0.9271          | 0.5894          | 0.4835        |
| 4  | 2014-02 – 2014-05    |                    | 136                | 54                    | 41                | 41           | 0.3971            | 0.3015              | 0.3015            | 14                | 0.1029          | 1                   | 0.0122               | 23       | 38               | 36             | 15                  | 2                   | 4                 | 50                   | 0                    | 21            | 0.6557        | 0.9670          | 0.4895          | 0.3566        |
| 5  | 2014-05 – 2014-08    |                    | 120                | 35                    | 41                | 44           | 0.2917            | 0.3417              | 0.3667            | 16                | 0.1333          | 4                   | 0.0471               | 16       | 33               | 31             | 14                  | 3                   | 4                 | 36                   | 0                    | 20            | 0.5349        | 0.9609          | 0.5234          | 0.3114        |
| 6  | 2014-08 – 2014-11    |                    | 70                 | 30                    | 12                | 28           | 0.4286            | 0.1714              | 0.4000            | 7                 | 0.1000          | 4                   | 0.1000               | 18       | 23               | 23             | 12                  | 7                   | 2                 | 28                   | 1                    | 21            | 0.5435        | 0.9098          | 0.8842          | 0.9440        |
| 7  | 2014-11 – 2015-02    |                    | 95                 | 51                    | 11                | 33           | 0.5368            | 0.1158              | 0.3474            | 10                | 0.1053          | 1                   | 0.0227               | 15       | 33               | 32             | 10                  | 4                   | 0                 | 50                   | 0                    | 19            | 0.5128        | 0.9196          | 0.4364          | 0.4762        |
| 8  | 2015-02 – 2015-05    |                    | 102                | 58                    | 8                 | 36           | 0.5686            | 0.0784              | 0.3529            | 22                | 0.2157          | 1                   | 0.0227               | 16       | 34               | 35             | 9                   | 1                   | 0                 | 48                   | 0                    | 10            | 0.7500        | 0.9562          | 0.6497          | 0.6136        |
| 9  | 2015-05 – 2015-08    |                    | 62                 | 32                    | 8                 | 22           | 0.5161            | 0.1290              | 0.3548            | 7                 | 0.1129          | 1                   | 0.0333               | 12       | 21               | 21             | 9                   | 4                   | 0                 | 28                   | 0                    | 16            | 0.6444        | 0.9037          | 0.8902          | 0.7027        |
| 10 | 2015-08 – 2015-11    |                    | 79                 | 43                    | 12                | 24           | 0.5443            | 0.1519              | 0.3038            | 10                | 0.1266          | 3                   | 0.0833               | 18       | 30               | 27             | 12                  | 13                  | 0                 | 43                   | 3                    | 23            | 0.5306        | 0.8861          | 0.4681          | 0.3333        |
| 11 | 2015-11 – 2016-02    |                    | 57                 | 18                    | 8                 | 31           | 0.3158            | 0.1404              | 0.5439            | 13                | 0.2281          | 0                   | 0.0000               | 18       | 20               | 19             | 11                  | 0                   | 0                 | 19                   | 0                    | 19            | 0.6042        | 0.9060          | 0.7647          | 0.4800        |
| 12 | 2016-02 – 2016-05    |                    | 75                 | 30                    | 8                 | 37           | 0.4000            | 0.1067              | 0.4933            | 12                | 0.1600          | 1                   | 0.0222               | 18       | 29               | 27             | 14                  | 12                  | 0                 | 31                   | 1                    | 32            | 0.5362        | 0.8979          | 0.4091          | 0.4762        |
|    | core.global.turnover | core.mail.turnover | core.code.turnover | ratio.smelly.quitters | ratio.smelly.devs | global.truck | mail.truck        | code.truck          | closeness.centr   | betweenness.centr | degree.centr    |                     | global.mod           | mail.mod | code.mod         | density        | mail.only.core.devs | code.only.core.devs | ml.code.core.devs | ratio.mail.only.core | ratio.code.only.core |               |               |                 |                 |               |
| 1  | 0.0000               | 0.0000             | 0.0000             | 0.0000                | 0.4656            | 0.7023       | 0.6162            | 0.8387              | 0.0118            | 0.3480            | 0.4648          | 0.2354              | 0.1791               | 0.3609   | 0.0275           | 31             | 3                   | 7                   | 0.7561            | 0.0732               | 0.1707               |               |               |                 |                 |               |
| 2  | 0.5063               | 0.5455             | 0.0909             | 0.4000                | 0.5755            | 0.6226       | 0.6214            | 0.7273              | 0.1399            | 0.4235            | 0.6086          | 0.1445              | 0.1563               | 0.5007   | 0.0580           | 28             | 1                   | 11                  | 0.7000            | 0.0250               | 0.2750               |               |               |                 |                 |               |
| 3  | 0.4533               | 0.4932             | 0.2400             | 0.6393                | 0.6139            | 0.6535       | 0.6304            | 0.7234              | 0.0293            | 0.3615            | 0.4842          | 0.2985              | 0.1440               | 0.3379   | 0.0558           | 22             | 1                   | 12                  | 0.6286            | 0.0286               | 0.3429               |               |               |                 |                 |               |
| 4  | 0.3836               | 0.4286             | 0.2143             | 0.6379                | 0.4853            | 0.7206       | 0.6211            | 0.8171              | 0.0108            | 0.2746            | 0.4392          | 0.3446              | 0.0976               | 0.4578   | 0.0275           | 23             | 2                   | 13                  | 0.6053            | 0.0526               | 0.3421               |               |               |                 |                 |               |
| 5  | 0.6479               | 0.6866             | 0.4138             | 0.5821                | 0.4250            | 0.7250       | 0.6076            | 0.8353              | 0.0111            | 0.2092            | 0.3737          | 0.6039              | 0.3637               | 0.7117   | 0.0297           | 20             | 3                   | 11                  | 0.5882            | 0.0882               | 0.3235               |               |               |                 |                 |               |
| 6  | 0.6429               | 0.4815             | 0.5385             | 0.3690                | 0.5857            | 0.6714       | 0.6034            | 0.7000              | 0.0307            | 0.4097            | 0.5611          | 0.2100              | 0.1972               | 0.1831   | 0.0621           | 14             | 3                   | 9                   | 0.5385            | 0.1154               | 0.3462               |               |               |                 |                 |               |
| 7  | 0.3571               | 0.3273             | 0.6364             | 0.5833                | 0.5789            | 0.6526       | 0.6190            | 0.7727              | 0.0176            | 0.3401            | 0.5430          | 0.1164              | 0.0825               | 0.3707   | 0.0421           | 25             | 3                   | 7                   | 0.7143            | 0.0857               | 0.2000               |               |               |                 |                 |               |
| 8  | 0.5672               | 0.5075             | 0.6316             | 0.5781                | 0.5686            | 0.6667       | 0.6277            | 0.7955              | 0.0258            | 0.3890            | 0.4865          | 0.1861              | 0.0964               | 0.1736   | 0.0382           | 27             | 1                   | 8                   | 0.7500            | 0.0278               | 0.2222               |               |               |                 |                 |               |
| 9  | 0.7273               | 0.7500             | 0.3333             | 0.5753                | 0.6452            | 0.6613       | 0.6111            | 0.7000              | 0.0394            | 0.4231            | 0.5695          | 0.2282              | 0.2769               | 0.2072   | 0.0698           | 12             | 0                   | 9                   | 0.5714            | 0.0000               | 0.4286               |               |               |                 |                 |               |
| 10 | 0.3922               | 0.4583             | 0.0952             | 0.5758                | 0.6835            | 0.6203       | 0.5970            | 0.6667              | 0.0433            | 0.5550            | 0.5042          | 0.4086              | 0.1313               | 0.4673   | 0.0471           | 19             | 4                   | 8                   | 0.6129            | 0.1290               | 0.2581               |               |               |                 |                 |               |
| 11 | 0.7200               | 0.7391             | 0.4348             | 0.7115                | 0.5439            | 0.6491       | 0.6122            | 0.7179              | 0.0396            | 0.3052            | 0.5116          | 0.1381              | 0.2294               | 0.2729   | 0.0777           | 9              | 1                   | 10                  | 0.4500            | 0.0500               | 0.5000               |               |               |                 |                 |               |
| 12 | 0.2449               | 0.2609             | 0.1600             | 0.4074                | 0.5733            | 0.6133       | 0.5970            | 0.6889              | 0.0401            | 0.3220            | 0.5712          | 0.3460              | 0.2714               | 0.4308   | 0.0775           | 15             | 2                   | 12                  | 0.5172            | 0.0690               | 0.4138               |               |               |                 |                 |               |

Community smells: Pearson's correlation ( VLC )

|               | devs                 | ml.only.devs       | code.only.devs     | ml.code.devs          | perc.ml.only.devs | perc.code.only.devs | perc.ml.code.devs | sponsored.devs | ratio.sponsored | sponsored.core.devs | ratio.sponsored.core | num.tz     | core.global.devs | core.mail.devs | core.code.devs | org.silo            | prima.donnas        | radio.silence     | black.cloud          | missing.links        | st.congruence      | communicability | global.turnover |
|---------------|----------------------|--------------------|--------------------|-----------------------|-------------------|---------------------|-------------------|----------------|-----------------|---------------------|----------------------|------------|------------------|----------------|----------------|---------------------|---------------------|-------------------|----------------------|----------------------|--------------------|-----------------|-----------------|
| org.silo      | -0.03                | 0.08               | 0.05               | -0.41                 | 0.17              | 0.09                | -0.31             | 0.21           | 0.12            | 0.20                | 0.35                 | -0.03      | 0.06             | -0.01          | 0.07           | -                   | -0.28               | -0.03             | 0.84                 | 0.70                 | -0.69              | -0.66           | -0.38           |
| prima.donnas  | 0.50                 | -0.04              | 0.74               | 0.55                  | -0.55             | 0.73                | -0.16             | -0.04          | -0.35           | 0.46                | 0.16                 | 0.30       | 0.21             | 0.17           | 0.71           | -0.28               | -                   | 0.09              | -0.17                | 0.12                 | -0.02              | 0.60            | -0.17           |
| radio.silence | 0.73                 | 0.92               | 0.14               | 0.43                  | 0.64              | -0.12               | -0.64             | 0.17           | -0.36           | -0.28               | -0.32                | 0.25       | 0.91             | 0.91           | 0.07           | -0.03               | 0.09                | -                 | 0.00                 | -0.17                | 0.24               | 0.51            | -0.42           |
| black.cloud   | -0.28                | -0.09              | -0.18              | -0.44                 | 0.21              | -0.09               | -0.18             | -0.27          | -0.13           | 0.37                | 0.59                 | 0.05       | -0.10            | -0.19          | 0.19           | 0.84                | -0.17               | 0.00              | -                    | 0.50                 | -0.45              | -0.61           | -0.28           |
| missing.links | -0.00                | -0.18              | 0.21               | -0.03                 | -0.30             | 0.26                | 0.07              | 0.06           | 0.04            | 0.04                | 0.05                 | 0.04       | -0.02            | -0.12          | 0.50           | 0.70                | 0.12                | -0.17             | 0.50                 | -                    | -0.72              | -0.50           | -0.51           |
|               | core.global.turnover | core.mail.turnover | core.code.turnover | ratio.smelly.quitters | ratio.smelly.devs | global.truck        | mail.truck        | code.truck     | closeness.centr | betweenness.centr   | degree.centr         | global.mod | mail.mod         | code.mod       | density        | mail.only.core.devs | code.only.core.devs | ml.code.core.devs | ratio.mail.only.core | ratio.code.only.core | ratio.ml.code.core |                 |                 |
| org.silo      | -0.54                | -0.53              | -0.43              | -0.45                 | 0.18              | -0.24               | -0.62             | -0.24          | -0.15           | 0.39                | 0.10                 | 0.26       | 0.07             | 0.11           | -0.02          | 0.07                | 0.61                | -0.29             | 0.06                 | 0.57                 | -0.28              |                 |                 |
| prima.donnas  | 0.06                 | 0.08               | -0.02              | 0.16                  | -0.54             | 0.73                | 0.09              | 0.45           | -0.38           | -0.58               | -0.67                | 0.63       | 0.20             | 0.46           | -0.46          | -0.01               | 0.19                | 0.58              | -0.19                | 0.16                 | 0.13               |                 |                 |
| radio.silence | -0.53                | -0.44              | -0.18              | 0.00                  | -0.05             | 0.07                | 0.62              | 0.40           | 0.17            | 0.12                | -0.14                | -0.04      | -0.67            | 0.27           | -0.64          | 0.90                | 0.12                | -0.00             | 0.83                 | -0.11                | -0.76              |                 |                 |
| black.cloud   | -0.37                | -0.33              | -0.45              | -0.16                 | 0.61              | -0.46               | -0.55             | -0.63          | -0.01           | 0.67                | 0.07                 | 0.32       | -0.13            | 0.07           | 0.10           | -0.15               | 0.57                | -0.16             | -0.14                | 0.62                 | -0.14              |                 |                 |
| missing.links | -0.54                | -0.48              | -0.38              | -0.08                 | -0.07             | -0.07               | -0.45             | -0.16          | -0.38           | -0.16               | -0.13                | 0.39       | 0.23             | 0.22           | 0.13           | -0.19               | 0.41                | 0.25              | -0.34                | 0.41                 | 0.16               |                 |                 |

# Community smells: Pearson's correlation - p-values ( VLC )

|               | devs                 | ml.only.devs       | code.only.devs     | ml.code.devs          | perc.ml.only.devs | perc.code.only.devs | perc.ml.code.devs | sponsored.devs | ratio.sponsored | sponsored.core.devs | ratio.sponsored.core | num.tz     | core.global.devs | core.mail.devs | core.code.devs | org.silo            | prima.donnas        | radio.silence     | black.cloud          | missing.links        | st.congruence      | communicability | global.turnover | code.turnover |
|---------------|----------------------|--------------------|--------------------|-----------------------|-------------------|---------------------|-------------------|----------------|-----------------|---------------------|----------------------|------------|------------------|----------------|----------------|---------------------|---------------------|-------------------|----------------------|----------------------|--------------------|-----------------|-----------------|---------------|
| org.silo      | 0.92                 | 0.80               | 0.87               | 0.19                  | 0.59              | 0.78                | 0.32              | 0.52           | 0.72            | 0.54                | 0.27                 | 0.93       | 0.86             | 0.97           | 0.83           | -                   | 0.38                | 0.93              | 0.00                 | 0.01                 | 0.01               | 0.02            | 0.25            | 0.70          |
| prima.donnas  | 0.10                 | 0.89               | 0.01               | 0.06                  | 0.06              | 0.01                | 0.62              | 0.90           | 0.26            | 0.14                | 0.62                 | 0.35       | 0.52             | 0.60           | 0.01           | 0.38                | -                   | 0.78              | 0.63                 | 0.71                 | 0.95               | 0.04            | 0.62            | 0.37          |
| radio.silence | 0.01                 | 0.00               | 0.66               | 0.16                  | 0.02              | 0.71                | 0.03              | 0.61           | 0.25            | 0.37                | 0.32                 | 0.44       | 0.00             | 0.00           | 0.84           | 0.93                | 0.78                | -                 | 1.00                 | 0.59                 | 0.45               | 0.09            | 0.19            | 0.68          |
| black.cloud   | 0.41                 | 0.80               | 0.59               | 0.18                  | 0.53              | 0.79                | 0.59              | 0.42           | 0.71            | 0.26                | 0.06                 | 0.89       | 0.77             | 0.57           | 0.58           | 0.00                | 0.63                | 1.00              | -                    | 0.12                 | 0.17               | 0.04            | 0.41            | 0.57          |
| missing.links | 0.99                 | 0.58               | 0.50               | 0.92                  | 0.34              | 0.41                | 0.84              | 0.86           | 0.90            | 0.89                | 0.89                 | 0.90       | 0.95             | 0.72           | 0.10           | 0.01                | 0.71                | 0.59              | 0.12                 | -                    | 0.01               | 0.10            | 0.11            | 0.23          |
|               | core.global.turnover | core.mail.turnover | core.code.turnover | ratio.smelly.quitters | ratio.smelly.devs | global.truck        | mail.truck        | code.truck     | closeness.cent  | betweenness.cent    | degree.cent          | global.mod | mail.mod         | code.mod       | density        | mail.only.core.devs | code.only.core.devs | ml.code.core.devs | ratio.mail.only.core | ratio.code.only.core | ratio.ml.code.core |                 |                 |               |
| org.silo      | 0.09                 | 0.09               | 0.19               | 0.17                  | 0.57              | 0.46                | 0.03              | 0.45           | 0.65            | 0.21                | 0.76                 | 0.41       | 0.82             | 0.74           | 0.96           | 0.82                | 0.04                | 0.36              | 0.85                 | 0.06                 | 0.38               |                 |                 |               |
| prima.donnas  | 0.86                 | 0.81               | 0.96               | 0.64                  | 0.07              | 0.01                | 0.77              | 0.15           | 0.22            | 0.05                | 0.02                 | 0.03       | 0.53             | 0.14           | 0.14           | 0.98                | 0.56                | 0.05              | 0.55                 | 0.63                 | 0.70               |                 |                 |               |
| radio.silence | 0.09                 | 0.17               | 0.60               | 0.99                  | 0.88              | 0.82                | 0.03              | 0.20           | 0.60            | 0.71                | 0.68                 | 0.90       | 0.02             | 0.39           | 0.02           | 0.00                | 0.71                | 0.99              | 0.00                 | 0.72                 | 0.00               |                 |                 |               |
| black.cloud   | 0.26                 | 0.32               | 0.17               | 0.64                  | 0.05              | 0.15                | 0.08              | 0.04           | 0.98            | 0.03                | 0.83                 | 0.34       | 0.70             | 0.83           | 0.76           | 0.66                | 0.06                | 0.63              | 0.68                 | 0.04                 | 0.69               |                 |                 |               |
| missing.links | 0.08                 | 0.14               | 0.25               | 0.81                  | 0.84              | 0.84                | 0.14              | 0.62           | 0.23            | 0.61                | 0.70                 | 0.22       | 0.47             | 0.48           | 0.69           | 0.56                | 0.19                | 0.43              | 0.29                 | 0.18                 | 0.61               |                 |                 |               |

Community smells: Spearman’s correlation ( VLC )

|               | devs  | ml.only.devs         | code.only.devs     | ml.code.devs       | perc.ml.only.devs     | perc.code.only.devs | perc.ml.code.devs | sponsored.devs | ratio.sponsored | sponsored.core.devs | ratio.sponsored.core | num.tz      | core.global.devs | core.mail.devs | core.code.devs | org.silo | prima.donnas        | radio.silence       | black.cloud       | missing.links        | st.congruence        | communicability    | global.turnover |
|---------------|-------|----------------------|--------------------|--------------------|-----------------------|---------------------|-------------------|----------------|-----------------|---------------------|----------------------|-------------|------------------|----------------|----------------|----------|---------------------|---------------------|-------------------|----------------------|----------------------|--------------------|-----------------|
| org.silo      | -0.07 | -0.01                | 0.32               | -0.47              | 0.11                  | 0.23                | -0.28             | -0.13          | -0.02           | 0.25                | 0.31                 | -0.12       | -0.05            | -0.08          | 0.05           | -        | -0.14               | -0.12               | 0.81              | 0.71                 | -0.70                | -0.60              | -0.37           |
| prima.donnas  | 0.40  | -0.05                | 0.66               | 0.52               | -0.53                 | 0.54                | -0.03             | 0.06           | -0.39           | 0.39                | 0.18                 | 0.12        | 0.16             | 0.09           | 0.69           | -0.14    | -                   | 0.11                | 0.01              | 0.24                 | 0.10                 | 0.61               | -0.02           |
| radio.silence | 0.70  | 0.83                 | 0.01               | 0.55               | 0.61                  | -0.39               | -0.41             | -0.00          | -0.55           | -0.36               | -0.42                | 0.06        | 0.88             | 0.87           | 0.16           | -0.12    | 0.11                | -                   | -0.08             | -0.07                | 0.23                 | 0.58               | -0.36           |
| black.cloud   | -0.29 | -0.24                | 0.19               | -0.30              | 0.12                  | 0.04                | 0.13              | -0.31          | -0.14           | 0.27                | 0.30                 | 0.09        | -0.18            | -0.25          | 0.30           | 0.81     | 0.01                | -0.08               | -                 | 0.79                 | -0.41                | -0.59              | -0.28           |
| missing.links | 0.08  | -0.11                | 0.44               | -0.02              | -0.30                 | 0.33                | -0.06             | 0.13           | 0.05            | 0.02                | -0.08                | 0.15        | 0.03             | -0.03          | 0.55           | 0.71     | 0.24                | -0.07               | 0.79              | -                    | -0.56                | -0.34              | -0.53           |
|               |       | core.global.turnover | core.mail.turnover | core.code.turnover | ratio.smelly.quitters | ratio.smelly.devs   | global.truck      | mail.truck     | code.truck      | closeness.cent      | betweenness.cent     | degree.cent | global.mod       | mail.mod       | code.mod       | density  | mail.only.core.devs | code.only.core.devs | ml.code.core.devs | ratio.mail.only.core | ratio.code.only.core | ratio.ml.code.core |                 |
| org.silo      | -0.40 | -0.52                | -0.26              | -0.47              | 0.37                  | -0.16               | -0.55             | -0.33          | 0.12            | 0.31                | 0.09                 | 0.44        | 0.11             | 0.11           | -0.05          | -0.01    | 0.60                | -0.32               | 0.09              | 0.56                 | -0.22                |                    |                 |
| prima.donnas  | 0.05  | -0.05                | 0.03               | 0.23               | -0.28                 | 0.67                | 0.08              | 0.32           | -0.59           | -0.46               | -0.59                | 0.47        | 0.12             | 0.22           | -0.37          | -0.07    | 0.18                | 0.57                | -0.20             | 0.26                 | 0.17                 |                    |                 |
| radio.silence | -0.53 | -0.31                | -0.30              | 0.12               | 0.00                  | 0.01                | 0.73              | 0.43           | -0.18           | 0.13                | -0.16                | -0.08       | -0.68            | 0.35           | -0.53          | 0.82     | -0.03               | 0.12                | 0.75              | -0.22                | -0.61                |                    |                 |
| black.cloud   | -0.36 | -0.47                | -0.35              | -0.29              | 0.59                  | -0.41               | -0.47             | -0.72          | 0.41            | 0.37                | 0.09                 | 0.46        | 0.01             | 0.01           | 0.25           | -0.29    | 0.44                | 0.03                | -0.19             | 0.53                 | 0.10                 |                    |                 |
| missing.links | -0.52 | -0.59                | -0.37              | 0.06               | 0.01                  | -0.08               | -0.37             | -0.18          | -0.07           | -0.21               | -0.23                | 0.62        | 0.15             | 0.21           | -0.06          | -0.09    | 0.47                | 0.24                | -0.15             | 0.50                 | 0.06                 |                    |                 |

# Community smells: Spearman's correlation - p-values ( VLC )

|               | devs | ml.only.devs | code.only.devs | ml.code.devs | perc.ml.only.devs | perc.code.only.devs | perc.ml.code.devs | sponsored.devs | ratio.sponsored | sponsored.core.devs | ratio.sponsored.core | num.tz | core.global.devs | core.mail.devs | core.code.devs | org.silo | prima.donnas | radio.silence | black.cloud | missing.links | st.congruence | communicability | global.turnover | code.turnover |
|---------------|------|--------------|----------------|--------------|-------------------|---------------------|-------------------|----------------|-----------------|---------------------|----------------------|--------|------------------|----------------|----------------|----------|--------------|---------------|-------------|---------------|---------------|-----------------|-----------------|---------------|
| org.silo      | 0.82 | 0.97         | 0.31           | 0.12         | 0.73              | 0.48                | 0.38              | 0.68           | 0.96            | 0.44                | 0.33                 | 0.72   | 0.88             | 0.80           | 0.88           | -        | 0.67         | 0.71          | 0.00        | 0.01          | 0.01          | 0.04            | 0.27            | 0.71          |
| prima.donnas  | 0.20 | 0.87         | 0.02           | 0.09         | 0.08              | 0.07                | 0.94              | 0.86           | 0.21            | 0.22                | 0.57                 | 0.70   | 0.61             | 0.78           | 0.01           | 0.67     | -            | 0.74          | 0.97        | 0.45          | 0.76          | 0.04            | 0.96            | 0.43          |
| radio.silence | 0.01 | 0.00         | 0.99           | 0.07         | 0.04              | 0.21                | 0.19              | 1.00           | 0.07            | 0.25                | 0.18                 | 0.86   | 0.00             | 0.00           | 0.62           | 0.71     | 0.74         | -             | 0.81        | 0.84          | 0.48          | 0.05            | 0.28            | 0.89          |
| black.cloud   | 0.39 | 0.48         | 0.57           | 0.37         | 0.73              | 0.90                | 0.71              | 0.36           | 0.68            | 0.43                | 0.37                 | 0.80   | 0.59             | 0.47           | 0.37           | 0.00     | 0.97         | 0.81          | -           | 0.00          | 0.22          | 0.06            | 0.41            | 0.86          |
| missing.links | 0.81 | 0.74         | 0.15           | 0.95         | 0.34              | 0.29                | 0.85              | 0.68           | 0.87            | 0.95                | 0.80                 | 0.65   | 0.93             | 0.92           | 0.07           | 0.01     | 0.45         | 0.84          | 0.00        | -             | 0.06          | 0.28            | 0.10            | 0.21          |

|               | core.global.turnover | core.mail.turnover | core.code.turnover | ratio.smelly.quitters | ratio.smelly.devs | global.truck | mail.truck | code.truck | closeness.cent | betweenness.cent | degree.cent | global.mod | mail.mod | code.mod | density | mail.only.core.devs | code.only.core.devs | ml.code.core.devs | ratio.mail.only.core | ratio.code.only.core | ratio.ml.code.core |
|---------------|----------------------|--------------------|--------------------|-----------------------|-------------------|--------------|------------|------------|----------------|------------------|-------------|------------|----------|----------|---------|---------------------|---------------------|-------------------|----------------------|----------------------|--------------------|
| org.silo      | 0.22                 | 0.10               | 0.44               | 0.14                  | 0.24              | 0.61         | 0.06       | 0.30       | 0.70           | 0.32             | 0.78        | 0.15       | 0.74     | 0.73     | 0.87    | 0.98                | 0.04                | 0.32              | 0.78                 | 0.06                 | 0.49               |
| prima.donnas  | 0.89                 | 0.89               | 0.94               | 0.50                  | 0.39              | 0.02         | 0.80       | 0.31       | 0.05           | 0.13             | 0.05        | 0.12       | 0.72     | 0.50     | 0.23    | 0.84                | 0.57                | 0.05              | 0.53                 | 0.42                 | 0.60               |
| radio.silence | 0.09                 | 0.36               | 0.37               | 0.73                  | 0.99              | 0.98         | 0.01       | 0.16       | 0.57           | 0.70             | 0.61        | 0.80       | 0.02     | 0.26     | 0.08    | 0.00                | 0.91                | 0.71              | 0.01                 | 0.49                 | 0.04               |
| black.cloud   | 0.27                 | 0.15               | 0.29               | 0.39                  | 0.06              | 0.22         | 0.14       | 0.01       | 0.22           | 0.26             | 0.80        | 0.16       | 0.98     | 0.98     | 0.47    | 0.39                | 0.17                | 0.92              | 0.57                 | 0.09                 | 0.78               |
| missing.links | 0.10                 | 0.05               | 0.27               | 0.86                  | 0.98              | 0.80         | 0.23       | 0.57       | 0.83           | 0.51             | 0.48        | 0.03       | 0.64     | 0.50     | 0.85    | 0.78                | 0.12                | 0.45              | 0.63                 | 0.10                 | 0.85               |