Results of Parsimonious Model:

|  |  |  |  |
| --- | --- | --- | --- |
| Criterion | DIC | pD | LL |
| Proposed Model | -191,364 | 195,706 | 291,388 |
| Interaction of Versions, (OL\*STV), (STV\*STavg) | -145,543 | 241,363 | 314,135 |
| No Version Carryover | -189,051 | 198,065 | 292,591 |
| No Churn Model | -180,512 | 206,687 | 296,942 |
| Unexplained P | -155,357 | 231,666 | 309,345 |
| Unexplained Q | -185,321 | 201,660 | 294,320 |

ProposedModel Results:

=========================================

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Platform |  |  |  |  |
|  | mean | ste | lowerlimit | upperlimit |
| M0 (MktSz) | 0.01540 | 0.00000 | 0.01540 | 0.01540 |
| p | 0.00176 | 0.00000 | 0.00176 | 0.00176 |
| q | 0.00000 | 0.00000 | (0.00000) | 0.00000 |
| Created Addons | 0.03602 | 0.00000 | 0.03602 | 0.03602 |
| Chrome | (0.00005) | 0.00000 | (0.00005) | (0.00005) |
| IE | (0.00057) | 0.00000 | (0.00057) | (0.00056) |
| totalNomContrib | 0.00003 | 0.00000 | 0.00003 | 0.00004 |
| totalNomQueue | 0.00004 | 0.00000 | 0.00003 | 0.00004 |
| vp | 0.01438 | 0.00430 | 0.00852 | 0.02297 |
| wp | 0.11216 | 0.00835 | 0.09750 | 0.12491 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Add-ons |  |  |  |  |  |  |  |
|  | mean | ste | lowerlimit | upperlimit | Postive | Negative | Total |
| alpha | 0.0142 | 0.0019 | 0.0179 | 0.0104 | 52 | 0 | 52 |
| p0 | 0.0087 | 0.0018 | 0.0123 | 0.0051 | 20 | 6 | 26 |
| p1(Vrsn) | 0.0047 | 0.0011 | 0.0067 | 0.0026 | 3 | 2 | 5 |
| P2(FfxVrsn) | 0.0059 | 0.0012 | 0.0083 | 0.0035 | 3 | 0 | 3 |
| q0 | 0.0057 | 0.0014 | 0.0085 | 0.0030 | 9 | 2 | 11 |
| q1(RatVar) | 0.0131 | 0.0018 | 0.0167 | 0.0096 | 8 | 1 | 9 |
| q2(ObsLrn) | 0.0054 | 0.0016 | 0.0086 | 0.0022 | 4 | 1 | 5 |
| q3(STAVG) | 0.0043 | 0.0014 | 0.0070 | 0.0016 | 5 | 2 | 7 |
| churn | 0.0174 | 0.0021 | 0.0215 | 0.0132 | 52 | 0 | 52 |
| V | 0.0002 | 0.0000 | 0.0002 | 0.0002 | 52 | 0 | 52 |
| W | 0.0002 | 0.0000 | 0.0003 | 0.0002 | 52 | 0 | 52 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  | mean | variance | 2.50% | 97.50% |
| alpha | Intercept | 0.01407 | 0.00715 | 0.00240 | 0.02578 |
|  | contribute | 0.01048 | 0.01635 | -0.01669 | 0.03755 |
|  | meet developer | -0.00289 | 0.02046 | -0.03700 | 0.02983 |
|  | free | 0.00054 | 0.03425 | -0.05628 | 0.05661 |
|  | restricted license | 0.00621 | 0.02688 | -0.03892 | 0.05066 |
|  | mozilla license | -0.00084 | 0.04578 | -0.07558 | 0.07295 |
| p0 | intercept | 0.01396 | 0.00698 | 0.00225 | 0.02527 |
|  | contribute | 0.01062 | 0.01627 | -0.01593 | 0.03760 |
|  | meet developer | -0.00250 | 0.02040 | -0.03633 | 0.03077 |
|  | free license | 0.00122 | 0.03376 | -0.05488 | 0.05601 |
|  | restricted license | 0.00719 | 0.02695 | -0.03645 | 0.05128 |
|  | mozilla license | -0.00138 | 0.04505 | -0.07525 | 0.07191 |
| p1 | intercept | 0.00867 | 0.00709 | -0.00290 | 0.02051 |
|  | contribute | -0.00021 | 0.01688 | -0.02796 | 0.02729 |
|  | meet developer | 0.00926 | 0.02175 | -0.02662 | 0.04530 |
|  | free license | -0.01886 | 0.03559 | -0.07729 | 0.03908 |
|  | restricted license | -0.00481 | 0.02772 | -0.05069 | 0.04078 |
|  | mozilla license | -0.01346 | 0.04662 | -0.09134 | 0.06304 |
| p3 | intercept | 0.00463 | 0.00723 | -0.00722 | 0.01639 |
|  | contribute | -0.00103 | 0.01733 | -0.02990 | 0.02775 |
|  | meet developer | 0.01364 | 0.02259 | -0.02344 | 0.05108 |
|  | free license | -0.01442 | 0.03583 | -0.07409 | 0.04549 |
|  | restricted license | -0.00382 | 0.02832 | -0.05005 | 0.04264 |
|  | mozilla license | -0.00044 | 0.04823 | -0.07996 | 0.07794 |
| q0 | Intercept | 0.01415 | 0.00697 | 0.00274 | 0.02576 |
|  | free license | -0.00072 | 0.03446 | -0.05780 | 0.05574 |
|  | restricted license | 0.00578 | 0.02719 | -0.03912 | 0.05006 |
|  | mozilla license | -0.00165 | 0.04545 | -0.07683 | 0.07201 |
|  | contribute | 0.00007 | 0.02871 | -0.04752 | 0.04712 |
|  | meet the developer | -0.00257 | 0.02103 | -0.03711 | 0.03190 |
|  | contribution amount | 0.00157 | 0.00360 | -0.00441 | 0.00749 |
| q1 | Intercept | 0.00871 | 0.00735 | -0.00361 | 0.02088 |
|  | free license | -0.01833 | 0.03554 | -0.07626 | 0.03974 |
|  | restricted license | -0.00483 | 0.02811 | -0.05103 | 0.04185 |
|  | mozilla license | -0.01440 | 0.04622 | -0.09058 | 0.06212 |
|  | contribute | 0.00147 | 0.02941 | -0.04756 | 0.04900 |
|  | meet the developer | 0.00913 | 0.02181 | -0.02632 | 0.04460 |
|  | contribution amount | -0.00024 | 0.00361 | -0.00630 | 0.00566 |
| q2 | Intercept | 0.00467 | 0.00724 | -0.00730 | 0.01652 |
|  | free license | -0.01466 | 0.03711 | -0.07580 | 0.04644 |
|  | restricted license | -0.00443 | 0.02909 | -0.05138 | 0.04322 |
|  | mozilla license | -0.00276 | 0.04778 | -0.08142 | 0.07575 |
|  | contribute | -0.00281 | 0.02929 | -0.05079 | 0.04573 |
|  | meet the developer | 0.01275 | 0.02224 | -0.02439 | 0.04865 |
|  | contribution amount | 0.00021 | 0.00369 | -0.00585 | 0.00630 |
| q3 | Intercept | 0.00600 | 0.00735 | -0.00595 | 0.01821 |
|  | free license | -0.00981 | 0.03576 | -0.06917 | 0.04866 |
|  | restricted license | -0.00265 | 0.02858 | -0.04987 | 0.04384 |
|  | mozilla license | 0.02133 | 0.04828 | -0.05830 | 0.09971 |
|  | contribute | -0.00086 | 0.02920 | -0.05041 | 0.04762 |
|  | meet the developer | 0.00964 | 0.02291 | -0.02763 | 0.04813 |
|  | contribution amount | -0.00010 | 0.00366 | -0.00616 | 0.00588 |
| delta | Intercept | 0.01421 | 0.00703 | 0.00272 | 0.02572 |
|  | contribute | 0.01037 | 0.01643 | -0.01719 | 0.03681 |
|  | meet the developer | -0.00266 | 0.02103 | -0.03661 | 0.03200 |
|  | free license | 0.00113 | 0.03351 | -0.05484 | 0.05577 |
|  | restricted license | 0.00715 | 0.02642 | -0.03667 | 0.05124 |
|  | mozilla license | 0.00012 | 0.04464 | -0.07305 | 0.07303 |
| variances | eta1 | 0.00248 | 0.00055 | 0.00173 | 0.00350 |
|  | eta2 | 0.00248 | 0.00054 | 0.00173 | 0.00346 |
|  | eta3 | 0.00253 | 0.00053 | 0.00178 | 0.00351 |
|  | eta4 | 0.00250 | 0.00054 | 0.00175 | 0.00347 |
|  | eta5 | 0.00253 | 0.00055 | 0.00176 | 0.00353 |
|  | eta6 | 0.00260 | 0.00057 | 0.00183 | 0.00368 |
|  | eta7 | 0.00254 | 0.00057 | 0.00177 | 0.00359 |
|  | eta8 | 0.00255 | 0.00056 | 0.00178 | 0.00358 |
|  | eta9 | 0.00248 | 0.00055 | 0.00174 | 0.00347 |