

|       |              |   |                  |       |            |                | datos estimated vs reales |             |            |       |         |         |        |            |             |      | datos para el modelo predictivo de b |              |            |              |       |  |  |
|-------|--------------|---|------------------|-------|------------|----------------|---------------------------|-------------|------------|-------|---------|---------|--------|------------|-------------|------|--------------------------------------|--------------|------------|--------------|-------|--|--|
| pfile | plan actions | T | planning horizon | depth | time limit | estimated time | real time T               | time to est | total time | est b | real b* | est N   | real N | est Enodes | real Enodes | Rvar | Rvar Root                            | fluents Root | producersT | ProducersT U | DRVar |  |  |
| 1     | 10           | 1 | 3                | 5     | 1000       | 505,69         | 628                       | 261         | 898        | 3,57  | 3,55    | 910,58  | 894    | 910,58     | 9537        | 21   | 14                                   | 28           | 148        | 108          | 87    |  |  |
|       | 7            | 2 | 2                | 6     | 3000       | 2491,47        | 513                       | 305         | 818        | 3,72  | 3,08    | 4486,30 | 1607   | 4486,30    | 12009       | 21   | 17                                   | 26           | 83         | 55           | 87    |  |  |
|       | 5            | 3 | 2                | 5     | 2000       | 1893,15        | 332                       | 244         | 576        | 4,75  | 3,78    | 3408,93 | 1194   | 3408,93    | 8603        | 23   | 15                                   | 20           | 137        | 107          | 100   |  |  |
| 2     | 15           | 1 | 4                | 5     | 1000       | 835,62         | 691                       | 231         | 922        | 3,98  | 4,10    | 1504,67 | 1724   | 1504,67    | 14030       | 25   | 22                                   | 38           | 140        | 109          | 104   |  |  |
|       | 11           | 2 | 4                | 6     | 4000       | 3476,30        | 11450                     | 236         | 11687      | 3,95  | 4,67    | 6259,66 | 15819  | 6259,66    | 295728      | 26   | 16                                   | 29           | 141        | 110          | 106   |  |  |
|       | 7            | 3 | 2                | 6     | 4000       | 3386,26        | 4868                      | 316         | 5184       | 3,93  | 4,18    | 6097,53 | 8477   | 6097,53    | 138919      | 20   | 15                                   | 25           | 135        | 108          | 85    |  |  |
| 3     | 16           | 1 | 4                | 6     | 1000       | 797,87         | 1137                      | 369         | 1507       | 3,02  | 2,89    | 1436,70 | 1138   | 1436,70    | 21776       | 21   | 13                                   | 33           | 139        | 108          | 87    |  |  |
|       | 12           | 2 | 4                | 5     | 4000       | 1391,68        | 540                       | 330         | 870        | 4,44  | 3,79    | 2505,96 | 1195   | 2505,96    | 14305       | 24   | 20                                   | 31           | 151        | 107          | 93    |  |  |
|       | 8            | 3 | 3                | 6     | 4000       | 3412,33        | 1997                      | 237         | 2234       | 3,94  | 3,65    | 6144,46 | 4025   | 6144,46    | 63800       | 25   | 19                                   | 27           | 137        | 107          | 104   |  |  |
| 4     | 24           | 1 | 3                | 6     | 1000       | 508,90         | 635                       | 322         | 958        | 2,78  | 2,44    | 916,36  | 458    | 916,36     | 8932        | 21   | 20                                   | 46           | 139        | 108          | 87    |  |  |
|       | 21           | 2 | 4                | 5     | 3000       | 1650,98        | 2529                      | 280         | 2810       | 4,61  | 4,66    | 2972,87 | 3119   | 2972,87    | 57690       | 20   | 14                                   | 40           | 189        | 160          | 94    |  |  |
|       | 17           | 3 | 4                | 5     | 4000       | 1144,18        | 1429                      | 252         | 1681       | 4,26  | 4,63    | 2060,29 | 3019   | 2060,29    | 37236       | 25   | 21                                   | 38           | 151        | 107          | 95    |  |  |
| 5     | 16           | 1 | 4                | 6     | 1000       | 947,32         | 2191                      | 291         | 2482       | 3,12  | 3,04    | 1705,81 | 1493   | 1705,81    | 63699       | 29   | 27                                   | 51           | 85         | 59           | 112   |  |  |
|       | 12           | 2 | 4                | 5     | 4000       | 1521,29        | 697                       | 346         | 1044       | 4,53  | 3,86    | 2739,33 | 1310   | 2739,33    | 16350       | 36   | 30                                   | 47           | 146        | 111          | 144   |  |  |
|       | 8            | 3 | 5                | 6     | 4000       | 2458,46        | 382                       | 402         | 785        | 3,71  | 2,95    | 4426,87 | 1265   | 4426,87    | 13403       | 39   | 12                                   | 22           | 94         | 65           | 141   |  |  |
| 6     | 24           | 1 | 4                | 6     | 1000       | 662,26         | 2616                      | 209         | 2825       | 2,92  | 2,97    | 1192,51 | 1316   | 1192,51    | 69920       | 29   | 27                                   | 57           | 85         | 59           | 112   |  |  |
|       | 20           | 2 | 4                | 5     | 4000       | 1336,81        | 781                       | 329         | 1110       | 4,41  | 3,76    | 2407,16 | 1156   | 2407,16    | 16664       | 36   | 31                                   | 54           | 146        | 111          | 144   |  |  |
|       | 16           | 3 | 5                | 6     | 4000       | 2226,85        | 21296                     | 404         | 21701      | 3,65  | 4,04    | 4009,81 | 7071   | 4009,81    | 683100      | 39   | 36                                   | 53           | 94         | 65           | 141   |  |  |
| 7     | 11           | 1 | 5                | 6     | 1000       | 810,02         | 126                       | 407         | 533        | 3,03  | 2,37    | 1458,57 | 399    | 1458,57    | 2798        | 34   | 9                                    | 28           | 88         | 59           | 131   |  |  |
|       | 6            | 2 | 3                | 6     | 5000       | 2629,66        | 81                        | 390         | 471        | 3,76  | 2,18    | 4735,14 | 255    | 4735,14    | 1192        | 22   | 13                                   | 21           | 86         | 55           | 80    |  |  |
|       | 3            | 3 | 3                | 6     | 3000       | 2067,50        | 275                       | 264         | 539        | 3,60  | 3,37    | 3722,87 | 2593   | 3722,87    | 8720        | 23   | 4                                    | 4            | 86         | 55           | 91    |  |  |
| 8     | 22           | 1 | 4                | 6     | 1000       | 467,68         | 432                       | 344         | 776        | 2,73  | 2,54    | 842,13  | 570    | 842,13     | 8117        | 27   | 23                                   | 57           | 84         | 58           | 108   |  |  |
|       | 18           | 2 | 5                | 6     | 4000       | 1024,63        | 3245                      | 414         | 3660       | 3,16  | 3,66    | 1845,01 | 4077   | 1845,01    | 77028       | 29   | 26                                   | 56           | 88         | 57           | 103   |  |  |
|       | 13           | 3 | 5                | 6     | 5000       | 3942,02        | 7798                      | 354         | 8153       | 4,04  | 4,32    | 7098,26 | 10238  | 7098,26    | 228447      | 35   | 17                                   | 39           | 142        | 111          | 142   |  |  |
| 9     | 33           | 1 | 5                | 6     | 1000       | 835,80         | 5586                      | 402         | 5989       | 3,05  | 3,06    | 1504,99 | 1556   | 1504,99    | 139099      | 34   | 32                                   | 66           | 88         | 59           | 131   |  |  |
|       | 28           | 2 | 5                | 6     | 5000       | 2585,74        | 20627                     | 417         | 21045      | 3,75  | 3,94    | 4656,05 | 6123   | 4656,05    | 470023      | 37   | 35                                   | 66           | 156        | 111          | 146   |  |  |
|       | 23           | 3 | 5                | 6     | 5000       | 1461,47        | 12149                     | 397         | 12546      | 3,38  | 4,03    | 2631,62 | 6945   | 2631,62    | 297656      | 31   | 26                                   | 63           | 91         | 60           | 107   |  |  |
| 10    | 48           | 1 | 3                | 6     | 1000       | 538,78         | 1429                      | 337         | 1767       | 2,81  | 2,45    | 970,16  | 467    | 970,16     | 26710       | 23   | 22                                   | 73           | 83         | 57           | 91    |  |  |
|       | 45           | 2 | 5                | 6     | 3000       | 1896,95        | 20351                     | 409         | 20762      | 3,54  | 3,50    | 3415,78 | 3189   | 3415,78    | 336521      | 31   | 30                                   | 73           | 205        | 163          | 134   |  |  |
|       | 40           | 3 | 5                | 6     | 5000       | 3516,10        | 2930                      | 417         | 3348       | 3,96  | 3,05    | 6331,33 | 1510   | 6331,33    | 43687       | 31   | 21                                   | 64           | 155        | 115          | 125   |  |  |

dominio: parcprinter

training: parcprinter – 458 samples

model: random forest ntree 100 mtry 2