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Handle:

Marathon Match

Contest: Marathon Match
Problem: ChildStuntedness
Coder: RigelFive

0) Score: 0.0 Run Time: 4226 ms

Example Case:

Seed: 1

Fatal Errors:

Standard Out:

```
startup = 0
Training Categories: 628
w categories: 628     d categories: 628
--------------------------------------------------------------------------------
Number of categories for p-weight and p-duration: 24
--------------------------------------------------------------------------------
Most likely weight: 0.657614
Most likely duration: 0.460313
--------------------------------------------------------------------------------
Duration Data Points: 3707    min: 0.358255    mean: 0.430298    max: 0.471963
Weight Data Points: 3707    min: 0.291667    mean: 0.640869    max: 1
--------------------------------------------------------------------------------
Birth events: 13 0 0 15 5 15 19 48 72 72 116 175 262 377 349 468 468 478 310 246 145 48 0 6
Total births: 13 13 13 28 33 48 67 115 187 259 375 550 812 1189 1538 2006 2474 2952 3262 3508 3653 3701 3701 3707
Probability of births: 0.00350688 0.00350688 0.00350688 0.00755328 0.00890208 0.0129485 0.0180739 0.0310224 0.0504451 0.069
Birth durations: 0.358255 0.362993 0.367731 0.372469 0.377207 0.381944 0.386682 0.39142 0.396158 0.400896 0.405633 0.41037
--------------------------------------------------------------------------------
Number in weight: 4 5 0 19 38 72 84 164 330 309 398 526 484 421 290 201 146 132 35 0 42 0 0 0
Probability of weight class: 0.00108108 0.00135135 0 0.00513514 0.0102703 0.0194595 0.0227027 0.0443243 0.0891892 0.083513
r {duration v. weight}: 0.991028    t-dist: 451.32
--------------------------------------------------------------------------------
Test Duration Data Points: 1944    min: 0.403265    mean: 0.446539    max: 0.460313
Test Weight Data Points: 1944    min: 0.453993    mean: 0.64807    max: 0.80816
```

Standard Error:

1) Score: 0.0 Run Time: 4237 ms

Example Case:

Seed: 2

Fatal Errors:

Standard Out:

```
startup = 0
Training Categories: 603
w categories: 603     d categories: 603
--------------------------------------------------------------------------------
Number of categories for p-weight and p-duration: 24
--------------------------------------------------------------------------------
Most likely weight: 0.544581
Most likely duration: 0.452947
--------------------------------------------------------------------------------
Duration Data Points: 3724    min: 0.338006    mean: 0.431299    max: 0.471963
Weight Data Points: 3724    min: 0.28869    mean: 0.644    max: 1
--------------------------------------------------------------------------------
Birth events: 3 0 0 9 5 5 10 18 26 48 81 104 229 299 541 459 594 639 256 296 76 14 12
Total births: 3 3 3 3 12 17 22 32 50 76 124 205 309 538 837 1378 1837 2431 3070 3326 3622 3698 3712 3724
Probability of births: 0.000805585 0.000805585 0.000805585 0.000805585 0.00322234 0.00456498 0.00590763 0.00859291 0.013426
Birth durations: 0.338006 0.343588 0.349169 0.354751 0.360332 0.365914 0.371495 0.377077 0.382658 0.38824 0.393821 0.399403
```

```
--------------------------------------------------------------------------------
Number in weight: 7 5 0 25 28 70 65 144 307 314 378 521 486 482 273 231 148 129 49 6 42 0 7 0
Probability of weight class: 0.00188324 0.00134517 0 0.00672585 0.00753296 0.0188324 0.0174872 0.0387409 0.0825935 0.084476
r {duration v. weight}: 0.998369     t-dist: 1066.72
--------------------------------------------------------------------------------
Test Duration Data Points: 1927     min: 0.402194     mean: 0.443104     max: 0.452947
Test Weight Data Points: 1927     min: 0.407242     mean: 0.58742     max: 0.836992
```

Standard Error:

2) Score: 0.0 Run Time: 4237 ms

Example Case:

Seed: 3

Fatal Errors:

Standard Out:

```
startup = 0
Training Categories: 655
w categories: 655     d categories: 655
--------------------------------------------------------------------------------
Number of categories for p-weight and p-duration: 24
--------------------------------------------------------------------------------
Most likely weight: 0.709201
Most likely duration: 0.435326
--------------------------------------------------------------------------------
Duration Data Points: 3723     min: 0.358255     mean: 0.430569     max: 0.468847
Weight Data Points: 3723     min: 0.291667     mean: 0.642645     max: 1
--------------------------------------------------------------------------------
Birth events: 8 5 10 10 5 15 9 44 37 59 92 158 248 321 408 481 407 504 363 218 230 72 13 0
Total births: 8 13 23 33 38 53 62 106 143 202 294 452 700 1021 1429 1910 2317 2821 3184 3402 3632 3704 3717 3717
Probability of births: 0.00215227 0.00349744 0.00618779 0.00887813 0.0102233 0.0142588 0.0166801 0.0285176 0.0384719 0.0543
Birth durations: 0.358255 0.362863 0.367471 0.372079 0.376687 0.381295 0.385903 0.390511 0.395119 0.399727 0.404335 0.40894
--------------------------------------------------------------------------------
Number in weight: 4 5 0 20 36 41 92 159 360 319 398 478 472 433 308 256 152 87 60 18 18 0 0 0
Probability of weight class: 0.00107643 0.00134553 0 0.00538213 0.00968784 0.0110334 0.0247578 0.0427879 0.0968784 0.085845
r {duration v. weight}: 0.997027     t-dist: 789.366
--------------------------------------------------------------------------------
Test Duration Data Points: 1928     min: 0.406639     mean: 0.432352     max: 0.457327
Test Weight Data Points: 1928     min: 0.483507     mean: 0.666945     max: 0.867188
```

Standard Error:

3) Score: 0.0 Run Time: 4251 ms

Example Case:

Seed: 4

Fatal Errors:

Standard Out:

```
startup = 0
Training Categories: 659
w categories: 659     d categories: 659
--------------------------------------------------------------------------------
Number of categories for p-weight and p-duration: 24
--------------------------------------------------------------------------------
Most likely weight: 0.578311
Most likely duration: 0.426467
--------------------------------------------------------------------------------
Duration Data Points: 3720     min: 0.338006     mean: 0.429947     max: 0.471963
Weight Data Points: 3720     min: 0.28869     mean: 0.640155     max: 1
--------------------------------------------------------------------------------
Birth events: 3 0 0 4 4 10 5 15 17 27 72 95 132 242 327 494 489 622 599 219 286 39 13 6
Total births: 3 3 3 7 11 21 26 41 58 85 157 252 384 626 953 1447 1936 2558 3157 3376 3662 3701 3714 3720
Probability of births: 0.000806452 0.000806452 0.000806452 0.00188172 0.00295699 0.00564516 0.00698925 0.0110215 0.0155914
Birth durations: 0.338006 0.343588 0.349169 0.354751 0.360332 0.365914 0.371495 0.377077 0.382658 0.38824 0.393821 0.39940
--------------------------------------------------------------------------------
Number in weight: 7 5 0 24 41 74 83 166 316 298 364 518 469 466 299 244 116 135 51 6 24 0 7 0
Probability of weight class: 0.00188527 0.00134662 0 0.00646378 0.0110423 0.01993 0.0223539 0.0447078 0.0851064 0.0802586 0
```

r {duration v. weight}: 0.994146   t-dist: 561.068

Test Duration Data Points: 1931   min: 0.379868   mean: 0.428295   max: 0.452427
Test Weight Data Points: 1931   min: 0.451699   mean: 0.61186   max: 0.836992

Standard Error:

4) Score: 3860.7760565813055 Run Time: 4489 ms

Example Case:

Seed: 5

Fatal Errors:

Standard Out:

startup = 0
Training Categories: 590
w categories: 590   d categories: 590

Number of categories for p-weight and p-duration: 24

Most likely weight: 0.59313
Most likely duration: 0.446067

Duration Data Points: 3736   min: 0.358255   mean: 0.430802   max: 0.461059
Weight Data Points: 3736   min: 0.291667   mean: 0.64308   max: 1

Birth events: 8 5 0 15 0 25 8 27 11 48 51 70 145 243 345 394 328 454 534 307 268 239 152 52
Total births: 8 13 13 28 28 53 61 88 99 147 198 268 413 656 1001 1395 1723 2177 2711 3018 3286 3525 3677 3729
Probability of births: 0.00214535 0.00348619 0.00348619 0.00750872 0.00750872 0.0142129 0.0163583 0.0235988 0.0265487 0.039
Birth durations: 0.358255 0.362539 0.366822 0.371106 0.375389 0.379673 0.383956 0.38824 0.392523 0.396807 0.40109 0.405374

Number in weight: 4 10 0 30 16 45 89 176 297 339 423 536 380 519 273 226 166 121 43 18 18 0 0 0
Probability of weight class: 0.00107267 0.00268168 0 0.00804505 0.00429069 0.0120676 0.023867 0.0471976 0.079646 0.0909091
r {duration v. weight}: 0.989808   t-dist: 424.723

Test Duration Data Points: 1915   min: 0.407516   mean: 0.4389   max: 0.458917
Test Weight Data Points: 1915   min: 0.394965   mean: 0.613687   max: 0.867188

Standard Error:

5) Score: 0.0 Run Time: 4241 ms

Example Case:

Seed: 6

Fatal Errors:

Standard Out:

startup = 0
Training Categories: 611
w categories: 611   d categories: 611

Number of categories for p-weight and p-duration: 24

Most likely weight: 0.68473
Most likely duration: 0.449247

Duration Data Points: 3721   min: 0.358255   mean: 0.430564   max: 0.464174
Weight Data Points: 3721   min: 0.291667   mean: 0.640011   max: 0.968254

Birth events: 8 5 10 5 0 20 7 26 32 50 95 143 146 272 304 382 553 430 322 408 206 219 51 20
Total births: 8 13 23 28 28 48 55 81 113 163 258 401 547 819 1123 1505 2058 2488 2810 3218 3424 3643 3694 3714
Probability of births: 0.00215401 0.00350027 0.00619278 0.00753904 0.00753904 0.0129241 0.0148088 0.0218094 0.0304254 0.043
Birth durations: 0.358255 0.362669 0.367082 0.371495 0.375909 0.380322 0.384735 0.389148 0.393562 0.397975 0.402388 0.40680

Number in weight: 4 5 0 20 30 65 52 128 247 308 398 470 402 496 352 247 201 134 88 37 12 18 0 7
Probability of weight class: 0.00107498 0.00134372 0 0.0053749 0.00806235 0.0174684 0.0139747 0.0343994 0.06638 0.0827734 0
r {duration v. weight}: 1   t-dist: inf

Test Duration Data Points: 1930   min: 0.404595   mean: 0.440713   max: 0.453141

Test Weight Data Points: 1930   min: 0.446718   mean: 0.664506   max: 0.869585

Standard Error:

6) Score: 0.0 Run Time: 4280 ms

Example Case:

Seed: 7

Fatal Errors:

Standard Out:

```
startup = 0
Training Categories: 697
w categories: 697     d categories: 697
--------------------------------------------------------------------------------
Number of categories for p-weight and p-duration: 24
--------------------------------------------------------------------------------
Most likely weight: 0.69339
Most likely duration: 0.40771
--------------------------------------------------------------------------------
Duration Data Points: 3743     min: 0.338006     mean: 0.431339     max: 0.468847
Weight Data Points: 3743     min: 0.28869     mean: 0.646633     max: 1
--------------------------------------------------------------------------------
Birth events: 3 0 0 4 9 0 10 0 25 32 11 81 104 215 259 332 652 416 585 473 259 220 40 7
Total births: 3 3 3 7 16 16 26 26 51 83 94 175 279 494 753 1085 1737 2153 2738 3211 3470 3690 3730 3737
Probability of births: 0.000802783 0.000802783 0.000802783 0.00187316 0.00428151 0.00428151 0.00695745 0.00695745 0.0136473
Birth durations: 0.338006 0.343458 0.34891 0.354361 0.359813 0.365265 0.370717 0.376168 0.38162 0.387072 0.392523 0.397975
--------------------------------------------------------------------------------
Number in weight: 7 10 0 15 16 56 80 129 286 285 387 558 512 473 307 282 123 111 44 6 42 0 7 0
Probability of weight class: 0.00187366 0.00267666 0 0.00401499 0.00428266 0.0149893 0.0214133 0.0345289 0.0765525 0.0762824
r {duration v. weight}: 0.993375     t-dist: 528.705
--------------------------------------------------------------------------------
Test Duration Data Points: 1908     min: 0.400701     mean: 0.420186     max: 0.46067
Test Weight Data Points: 1908     min: 0.481337     mean: 0.664983     max: 0.836992
```

Standard Error:

7) Score: 1931.4412239990197 Run Time: 4288 ms

Example Case:

Seed: 8

Fatal Errors:

Standard Out:

```
startup = 0
Training Categories: 604
w categories: 604     d categories: 604
--------------------------------------------------------------------------------
Number of categories for p-weight and p-duration: 24
--------------------------------------------------------------------------------
Most likely weight: 0.643787
Most likely duration: 0.437305
--------------------------------------------------------------------------------
Duration Data Points: 3727     min: 0.338006     mean: 0.430526     max: 0.468847
Weight Data Points: 3727     min: 0.28869     mean: 0.643198     max: 1
--------------------------------------------------------------------------------
Birth events: 3 0 0 4 9 10 15 0 20 35 28 102 106 177 295 340 554 459 672 429 241 189 26 7
Total births: 3 3 3 7 16 26 41 41 61 96 124 226 332 509 804 1144 1698 2157 2829 3258 3499 3688 3714 3721
Probability of births: 0.000806235 0.000806235 0.000806235 0.00188121 0.00429992 0.00698737 0.0110185 0.0110185 0.0163934
Birth durations: 0.338006 0.343458 0.34891 0.354361 0.359813 0.365265 0.370717 0.376168 0.38162 0.387072 0.392523 0.397975
--------------------------------------------------------------------------------
Number in weight: 7 5 0 10 49 56 83 150 272 329 387 568 491 425 278 251 137 107 60 6 42 0 7 0
Probability of weight class: 0.00188172 0.00134409 0 0.00268817 0.013172 0.0150538 0.0223118 0.0403226 0.0731183 0.0884409
r {duration v. weight}: 0.999578     t-dist: 2099.07
--------------------------------------------------------------------------------
Test Duration Data Points: 1924     min: 0.406153     mean: 0.434352     max: 0.452492
Test Weight Data Points: 1924     min: 0.451699     mean: 0.641808     max: 0.807354
```

Standard Error:

8) Score: 0.0 Run Time: 4258 ms

Example Case:

Seed: 9

Fatal Errors:

Standard Out:

```
startup = 0
Training Categories: 699
w categories: 699     d categories: 699
--------------------------------------------------------------------------------
Number of categories for p-weight and p-duration: 24
--------------------------------------------------------------------------------
Most likely weight: 0.71317
Most likely duration: 0.444672
--------------------------------------------------------------------------------
Duration Data Points: 3742     min: 0.361371     mean: 0.431434     max: 0.471963
Weight Data Points: 3742     min: 0.291667     mean: 0.645486     max: 1
--------------------------------------------------------------------------------
Birth events: 9 0 15 5 15 3 28 38 34 79 120 173 340 361 451 444 523 426 281 255 89 47 0 0
Total births: 9 9 24 29 44 47 75 113 147 226 346 519 859 1220 1671 2115 2638 3064 3345 3600 3689 3736 3736 3736
Probability of births: 0.00240899 0.00240899 0.00642398 0.00776231 0.0117773 0.0125803 0.0200749 0.0302463 0.0393469 0.0604
Birth durations: 0.361371 0.365979 0.370587 0.375195 0.379803 0.384411 0.389019 0.393627 0.398235 0.402843 0.407451 0.41205
--------------------------------------------------------------------------------
Number in weight: 4 10 0 21 39 58 95 123 315 301 424 514 470 435 306 226 153 132 60 18 24 0 7 0
Probability of weight class: 0.00107095 0.00267738 0 0.00562249 0.0104418 0.0155288 0.0254351 0.0329317 0.0843373 0.080589
r {duration v. weight}: 0.992152     t-dist: 485.263
--------------------------------------------------------------------------------
Test Duration Data Points: 1909     min: 0.409755     mean: 0.436726     max: 0.460443
Test Weight Data Points: 1909     min: 0.453993     mean: 0.670541     max: 0.778646
```

Standard Error:

9) Score: 0.0 Run Time: 4270 ms

Example Case:

Seed: 10

Fatal Errors:

Standard Out:

```
startup = 0
Training Categories: 608
w categories: 608     d categories: 608
--------------------------------------------------------------------------------
Number of categories for p-weight and p-duration: 24
--------------------------------------------------------------------------------
Most likely weight: 0.633805
Most likely duration: 0.446229
--------------------------------------------------------------------------------
Duration Data Points: 3718     min: 0.361371     mean: 0.431372     max: 0.471963
Weight Data Points: 3718     min: 0.291667     mean: 0.642709     max: 1
--------------------------------------------------------------------------------
Birth events: 4 0 15 0 20 5 32 37 58 49 124 189 338 345 499 399 521 424 238 253 96 53 7 6
Total births: 4 4 19 19 39 44 76 113 171 220 344 533 871 1216 1715 2114 2635 3059 3297 3550 3646 3699 3706 3712
Probability of births: 0.00107759 0.00107759 0.00511853 0.00511853 0.0105065 0.0118534 0.0204741 0.0304418 0.0460668 0.0592
Birth durations: 0.361371 0.365979 0.370587 0.375195 0.379803 0.384411 0.389019 0.393627 0.398235 0.402843 0.407451 0.41205
--------------------------------------------------------------------------------
Number in weight: 4 10 0 19 34 63 91 143 360 305 363 534 456 422 316 258 141 104 39 12 30 0 7 0
Probability of weight class: 0.00107788 0.00269469 0 0.00511991 0.00916195 0.0169766 0.0245217 0.0385341 0.0970089 0.082188
r {duration v. weight}: 0.999599     t-dist: 2152.13
--------------------------------------------------------------------------------
Test Duration Data Points: 1933     min: 0.408219     mean: 0.439161     max: 0.460443
Test Weight Data Points: 1933     min: 0.453993     mean: 0.636452     max: 0.80816
```

Standard Error:

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