TopCoder 8/21/14, 1:31 AM

> Log Out Contact Help Center Search

Challenges Community **About topcoder** My Home Blog

Design

Develop

**Review Opportunities** 

Algorithm (SRM)

**Marathon Match** 

The Digital Run

**Submit & Review** 

topcoder Networks

Events

**Statistics** 

**Tutorials** 

Forums

My topcoder

Handle:

### Marathon Match

**Contest: Marathon Match Problem: ChildStuntedness** Coder: RigelFive

0) Score: 0.0 Run Time: 4307 ms

**Example Case:** 

Seed: 1

**Fatal Errors:** 

**Standard Out:** 

startup = 0

Training Categories: 657

w categories: 657 d categories: 657

Number of categories for p-weight and p-duration: 80

Most likely weight: 0.67407

Most likely duration: 0.43529

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: 4 0 4 5 0 0 0 0 0 0 10 0 5 0 0 0 5 10 5 0 4 5 0 10 11 38 23 20 31 21 34 0 50 32 34 63 78 57 117 88 1 Total births: 4 4 8 13 13 13 13 13 13 13 13 23 23 28 28 28 28 28 33 43 48 48 52 57 57 67 89 105 115 126 164 187 207 238 259 293 2 Probability of births: 0.00107904 0.00107904 0.00215808 0.00350688 0.00350688 0.00350688 0.00350688 0.00350688 ( Birth durations: 0.358255 0.359677 0.361098 0.362519 0.363941 0.365362 0.366783 0.368205 0.369626 0.371048 0.372469 0.37389

Number in weight: 4 0 0 0 0 5 0 0 0 5 0 9 5 7 31 5 39 25 3 27 5 34 52 49 58 46 105 92 110 97 73 105 118 112 91 161 130 18 Probability of weight class: 0.00107904 0 0 0 0 0.0013488 0 0 0 0 0.0013488 0 0.00242784 0.0013488 0.00188832 0.00836256 0. r {duration v. weight}: 0.991028 t-dist: 451.32

Test Duration Data Points: 1944 min: 0.404449 mean: 0.430858 max: 0.452775

Test Weight Data Points: 1944 min: 0.446615 mean: 0.655525 max: 0.791927

ID: 9 14 39 88 89 123 136 142 144 165 167 168 187 199 204 206 208 219 233 286 301 306 314 320 321 344 351 352 357 365 367 4

Standard Error:

### 1) Score: 0.0 Run Time: 4287 ms

**Example Case:** 

Seed: 2

**Fatal Errors:** 

**Standard Out:** 

startup = 0

Training Categories: 612

w categories: 612 d categories: 612

Number of categories for p-weight and p-duration: 80

Most likely weight: 0.438969

Most likely duration: 0.433859

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

Total births: 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 7 12 12 12 17 17 17 17 22 22 22 22 42 47 47 50 50 60 76 76 81 98 124 142 156 205 Probability of births: 0.000805585 0.000805585 0.000805585 0.000805585 0.000805585 0.000805585 0.000805585 0.00 Birth durations: 0.338006 0.339681 0.341355 0.34303 0.344704 0.346379 0.348053 0.349727 0.351402 0.353076 0.354751 0.35642 TopCoder 8/21/14, 1:31 AM

-----

Number in weight: 7 0 0 0 0 5 0 0 0 11 0 10 9 7 11 10 23 42 0 11 20 16 29 42 84 43 74 118 79 95 75 103 125 131 71 169 137 Probability of weight class: 0.00188324 0 0 0 0 0.00134517 0 0 0 0 0.00295938 0 0.00269034 0.00242131 0.00188324 0.00295938 r {duration v. weight}: 0.998369 t-dist: 1066.72

-----

Test Duration Data Points: 1927 min: 0.399961 mean: 0.432361 max: 0.450195
Test Weight Data Points: 1927 min: 0.404278 mean: 0.537319 max: 0.83551

ID: 9 14 58 64 75 82 87 110 123 128 144 157 168 180 184 187 188 204 219 229 230 233 286 293 295 306 320 321 340 344 351 353

#### **Standard Error:**

# 2) Score: 34474.39135559105 Run Time: 4329 ms

#### **Example Case:**

Seed: 3

#### **Fatal Errors:**

#### Standard Out:

startup = 0

Training Categories: 694

w categories: 694 d categories: 694

-----

Number of categories for p-weight and p-duration: 80

Most likely weight: 0.51534 Most likely duration: 0.435271

------

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

weight baca Fornes. 3723 min. 0.231007 mean. 0.042043 max. 1

Birth events: 4 0 4 5 0 0 5 0 0 5 0 5 5 0 0 5 10 0 0 5 0 4 5 6 22 16 0 5 0 32 14 14 31 16 28 0 48 32 57 69 63 63 122 95 0 1

Total births: 4 4 8 13 13 13 18 18 18 23 23 28 33 33 33 38 48 48 48 53 53 57 62 68 90 106 106 111 111 143 157 171 202 218 2

Probability of births: 0.0010744 0.0010744 0.0021488 0.00349181 0.00349181 0.00349181 0.00483481 0.00483481 0.00483481 0.00483481 0.00

Birth durations: 0.358255 0.359638 0.36102 0.362403 0.363785 0.365167 0.36655 0.367932 0.369315 0.370697 0.372079 0.373462

Test Duration Data Points: 1928 min: 0.405948 mean: 0.433046 max: 0.459862

Test Weight Data Points: 1928 min: 0.402344 mean: 0.57235 max: 0.880469

ID: 14 51 64 75 82 89 128 144 157 174 184 187 188 204 214 219 230 245 261 286 288 299 306 314 318 321 324 337 352 356 357 4

### Standard Error

# 3) Score: 0.0 Run Time: 4318 ms

### Example Case:

Seed: 4

### Fatal Errors:

### **Standard Out:**

startup = 0

Training Categories: 685

w categories: 685 d categories: 685

Number of categories for p-weight and p-duration: 80

Number of Categories for p-weight and p-duration: 80

\_\_\_\_\_

Most likely weight: 0.588771
Most likely duration: 0.44009

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

\_\_\_\_\_

Number in weicht: 7 0 0 0 0 5 0 0 0 11 0 9 9 5 17 14 34 37 3 16 20 23 52 56 70 40 88 128 72 120 82 73 100 122 84 205 118

TopCoder 8/21/14, 1:31 AM

\_\_\_\_\_

ID: 39 87 123 136 144 167 168 176 184 204 206 214 219 229 230 237 245 261 286 310 314 320 325 339 340 344 365 367 407 449

#### **Standard Error:**

### 4) Score: 0.0 Run Time: 4311 ms

#### **Example Case:**

Seed: 5

#### **Fatal Errors:**

# Standard Out:

startup = 0

Training Categories: 612

w categories: 612 d categories: 612

-----

Number of categories for p-weight and p-duration: 80

Most likely weight: 0.698872 Most likely duration: 0.453914

------

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 durations: 0.358255 0.35954 0.360826 0.362111 0.363396 0.364681 0.365966 0.367251 0.368536 0.369821 0.371106 0.372391

Number in weight: 4 0 0 0 5 5 0 0 0 0 6 0 19 5 0 16 0 12 33 0 17 20 34 46 47 71 72 70 89 96 114 65 131 96 148 103 182 144 :

Test Duration Data Points: 1915 min: 0.403875 mean: 0.442537 max: 0.459132
Test Weight Data Points: 1915 min: 0.402344 mean: 0.669841 max: 0.880469

ID: 12 39 58 66 75 79 87 88 89 142 144 157 184 188 214 230 233 310 314 318 321 342 365 367 369 373 407 431 432 508 520 532

### **Standard Error:**

## 5) Score: 0.0 Run Time: 4298 ms

### **Example Case:**

Seed: 6

### **Fatal Errors:**

# Standard Out:

startup = 0

Training Categories: 608

w categories: 608 d categories: 608

Number of categories for p-weight and p-duration: 80

......

Most likely weight: 0.545895

Most likely duration: 0.458606

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: 4 0 4 5 0 0 0 5 0 5 0 5 0 5 0 0 0 0 10 5 5 0 0 7 5 5 16 0 5 10 17 17 18 15 0 36 26 33 52 39 52 0 62 84 53 113 1

Total births: 4 4 8 13 13 13 18 18 23 23 28 28 28 28 28 28 28 28 38 43 48 48 48 55 60 65 81 81 86 96 113 130 148 163 163 199 2

Probability of births: 0.00107498 0.00107498 0.00214996 0.00349368 0.00349368 0.00349368 0.00349368 0.00349368 0.00483741 0.00483741 (

Birth durations: 0.358255 0.359579 0.360903 0.362227 0.363551 0.364875 0.366199 0.367523 0.368847 0.370171 0.371495 0.37281

Number in weight: 4 0 0 0 0 5 0 0 0 0 11 9 0 0 10 25 6 34 20 3 22 21 22 23 45 68 49 75 99 91 75 81 105 158 115 104 127 16

Probability of weight class: 0.00107701 0 0 0 0 0.00134626 0 0 0 0 0.00296177 0.00242326 0 0 0.00269251 0.00673129 0.0016

TopCoder 8/21/14, 1:31 AM

r {duration v. weight}: 1 t-dist: inf

Test Duration Data Points: 1930 min: 0.395989 mean: 0.444811 max: 0.458606 Test Weight Data Points: 1930 min: 0.388926 mean: 0.589439 max: 0.879452

ID: 9 86 89 110 123 136 142 157 159 188 206 212 219 245 261 286 295 299 306 324 340 356 407 431 433 470 486 499 520 539 557

**Standard Error:** 

## 6) Score: 0.0 Run Time: 4340 ms

#### **Example Case:**

Seed: 7

#### Fatal Errors:

# Standard Out:

startup = 0

Training Categories: 702

w categories: 702 d categories: 702

Number of categories for p-weight and p-duration: 80

Most likely weight: 0.583811 Most likely duration: 0.455646

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

Total births: 3 3 3 3 3 3 3 3 3 3 3 3 7 7 11 16 16 16 16 16 16 21 26 26 26 26 36 41 51 51 55 55 66 83 94 94 94 111 125 175 Birth durations: 0.338006 0.339642 0.341277 0.342913 0.344548 0.346184 0.347819 0.349455 0.35109 0.352726 0.354361 0.355997

Number in weight: 7 0 0 0 0 5 5 0 0 0 0 11 4 7 5 9 12 36 3 11 23 34 29 54 46 35 88 116 59 75 86 89 118 133 86 193 148 178 Probability of weight class: 0.00187366 0 0 0 0 0.00133833 0.00133833 0 0 0 0 0 0.00294433 0.00107066 0.00187366 0.00133833 r {duration v. weight}: 0.993375 t-dist: 528.705

Test Duration Data Points: 1908 min: 0.399338 mean: 0.444192 max: 0.459852 Test Weight Data Points: 1908 min: 0.488746 mean: 0.611039 max: 0.826618

ID: 9 110 132 139 142 167 187 206 208 212 214 219 233 237 293 295 303 324 325 337 344 360 369 373 423 469 486 490 504 520 5

### **Standard Error:**

# 7) Score: 0.0 Run Time: 4308 ms

### **Example Case:**

Seed: 8

### Fatal Errors:

# **Standard Out:**

Training Categories: 620

w categories: 620 d categories: 620

Number of categories for p-weight and p-duration: 80

Most likely weight: 0.787184

Most likely duration: 0.412033

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 0 0 0 0 0 0 0 0 0 4 0 4 5 0 0 5 5 0 10 5 0 0 5 5 0 3 0 16 16 16 0 12 33 18 51 31 29 46 41 40 40 56 Total births: 3 3 3 3 3 3 3 3 3 3 3 3 7 7 11 16 16 16 21 26 26 36 41 41 41 41 46 56 61 61 64 64 80 96 112 112 124 157 175 2 Probability of births: 0.000804937 0.000804937 0.000804937 0.000804937 0.000804937 0.000804937 0.000804937 0.00 Birth durations: 0.338006 0.339642 0.341277 0.342913 0.344548 0.346184 0.347819 0.349455 0.35109 0.352726 0.354361 0.355997

Number in weight: 7 0 0 0 0 0 5 0 0 0 6 0 4 5 12 22 10 17 36 3 16 20 23 52 45 65 42 85 87 70 103 73 118 124 143 77 191 130

Probability of weight class: 0.00188172 0 0 0 0 0 0.00134409 0 0 0 0.0016129 0 0.00107527 0.00134409 0.00322581 0.00591398

TopCoder 8/21/14, 1:31 AM

> Test Duration Data Points: 1924 min: 0.404245 mean: 0.420507 max: 0.451674 Test Weight Data Points: 1924 min: 0.453181 mean: 0.709961 max: 0.83551 ID: 14 58 64 86 87 88 159 168 180 184 199 208 219 229 233 245 261 303 318 325 340 351 356 365 367 407 423 432 441 470 471 4

### 8) Score: 0.0 Run Time: 4340 ms

#### **Example Case:**

Standard Error:

Seed: 9

#### **Fatal Errors:**

#### Standard Out:

startup = 0

Training Categories: 715

w categories: 715 d categories: 715

Number of categories for p-weight and p-duration: 80

Most likely weight: 0.539149 Most likely duration: 0.447732

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

Total births: 4 9 9 9 9 9 14 14 14 24 29 29 29 34 44 44 44 44 47 47 58 75 86 96 113 113 138 147 147 182 203 226 270 299 Probability of births: 0.00106895 0.00240513 0.00240513 0.00240513 0.00240513 0.00240513 0.00374131 0.00374131 0.00374131 ( Birth durations: 0.361371 0.362753 0.364136 0.365518 0.3669 0.368283 0.369665 0.371048 0.37243 0.373812 0.375195 0.376577 (

Number in weight: 4 0 0 0 5 5 0 0 0 0 11 0 10 0 12 27 0 28 30 0 11 26 34 48 34 47 66 76 104 87 86 69 118 101 153 112 145 16 Probability of weight class: 0.00106895 0 0 0 0.00133618 0.00133618 0 0 0 0 0.0029396 0 0.00267237 0 0.00320684 0.00721539 r {duration v. weight}: 0.992152 t-dist: 485.263

Test Duration Data Points: 1909 min: 0.395239 mean: 0.439655 max: 0.45883

Test Weight Data Points: 1909 min: 0.384635 mean: 0.586653 max: 0.783073

ID: 9 12 14 39 66 87 88 89 128 136 144 159 165 174 187 188 204 214 233 237 295 301 310 314 320 321 342 357 360 365 369 373

### Standard Error:

### 9) Score: 0.0 Run Time: 4297 ms

### **Example Case:**

Seed: 10

### **Fatal Errors:**

### Standard Out:

startup = 0

Training Categories: 633

w categories: 633 d categories: 633

Number of categories for p-weight and p-duration: 80

Most likely weight: 0.649268

Most likely duration: 0.447732

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 0 0 0 0 5 0 0 10 0 0 5 10 5 5 0 0 10 1 10 5 5 10 10 10 10 10 11 10 21 23 14 27 11 11 56 33 0 35 76 39 74 138 83 11: Total births: 4 4 4 4 4 9 9 9 19 19 19 19 24 34 39 44 44 44 49 59 76 92 102 113 113 134 157 171 198 209 220 276 309 30 Probability of births: 0.00107585 0.00107585 0.00107585 0.00107585 0.00107585 0.00107585 0.00107585 0.00242066 0.00242066 0.00242066 ( Birth durations: 0.361371 0.362753 0.364136 0.365518 0.3669 0.368283 0.369665 0.371048 0.37243 0.373812 0.375195 0.376577 (

Number in weight: 4 0 0 0 0 5 5 0 0 0 0 11 0 8 0 12 22 5 33 22 3 21 23 35 27 50 48 67 86 130 107 63 74 133 111 106 90 162 138 Probability of weight class: 0.00107585 0 0 0 0.00134481 0.00134481 0 0 0 0 0.00295858 0 0.00215169 0 0.00322754 0.00591716 r {duration v. weight}: 0.999599

TopCoder 8/21/14, 1:31 AM

\_\_\_\_\_

Test Duration Data Points: 1933 min: 0.407681 mean: 0.444167 max: 0.45883
Test Weight Data Points: 1933 min: 0.446615 mean: 0.644722 max: 0.791927

ID: 9 12 39 86 89 110 123 128 132 139 142 144 165 168 174 180 187 206 208 230 261 293 301 303 306 310 321 324 337 344 357 3

#### **Standard Error:**

Twitter

Follow

Recent Blog Posts Updated

Apr 23 @timmhicks – Tim Hicks Happy Hump Day topcoders! We are excited to announce that we will be releasing a new look for the very popular /tc by...Read More

Apr 23 Do you ever find yourself hitting "send" on an email and wondering if it'll arrive in the recipient's inbox? Sending email has become so ubiquitous, simple and...Read More

Apr 22 @ClintonBon – Clinton Bonner We know what you're thinking. Great, another 'puff piece' on the 'wisdom of crowds' and how all we need to do is post...Read More

View More

About topcoder

The topcoder community gathers the world's experts in design, development and data science to work on interesting and challenging problems for fun and reward. We want to help topcoder members improve their skills, demonstrate and gain reward for their expertise, and provide the industry with objective insight on new and emerging technologies.

About Us

Get Connected

Your email address

Submit

© 2014 topcoder. All Rights reserved. <u>Privacy Policy</u> | <u>Terms</u>