

# Taking Part-Time Programmers Seriously

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OBT 2012

| Name         | Label                                                |
|--------------|------------------------------------------------------|
| cws_10_y99   | Has taking care of [sample person] ever kept you     |
| cws_11a_y99  | Have you ever had to turn down a job because y       |
| cws_12_1_y99 | Have you ever had to go from working full time       |
| cws_12_2_y99 | Have you ever had to take a less demanding job       |
| cws_12_3_y99 | Have you ever had to turn down a promotion?          |
| cws_12_4_y99 | Have you ever had to choose early retirement?        |
| cws_12_5_y99 | Have you ever lost a job?                            |
| cws_13_1_y99 | You have had less energy for your work               |
| cws_13_2_y99 | You have missed too many days                        |
| cws_13_3_y99 | You have been dissatisfied with the quality of yo    |
| cws_13_4_y99 | You worry about [sample person] while you are        |
| cws_13_5_y99 | Phone calls about or from [sample person] interr     |
| cws_1a_y99   | How long ago did you start taking care of ___?       |
| cws_1b_y99   | Do you provide more care, less care, or the sam      |
| cws_1c_y99   | How long ago did you start taking care of [sam       |
| cws_2b_y99   | What is your current marital status?                 |
| cggen99      | Is caregiver male or female?                         |
| cws_4d_y99   | Would you have continued working longer if you       |
| cws_5a_y99   | Have you ever worked fewer hours a week becau        |
| cws_6a_y99   | Have you ever had to rearrange your schedule a       |
| cws_7a_y99   | Have you ever had to take time off without pay b     |
| cws_8a_y99   | Have you ever had to quit a job because you we       |
| dowork_y99   | Is ___ currently working?                            |
| dt_detre_y99 | Is respondent the sample person or a proxy? Ch       |
| educa_y99    | What is the highest level of regular school ___ ha   |
| cghealth99   | Is your health, in general, excellent, good, fair, e |
| satisplace99 | How satisfied are you with the place in which yo     |
| hnc_2b_y99   | Is this place part of a building or community int    |
| satisneigh99 | How satisfied are you with this neighborhood?        |
| hnc_ck2_y99  | In what type of area is this address?                |
| sex_u00      | Sex                                                  |

```

> reg negcg04 gender race cgrel204 helpad04nb1n helpaddva socsup04nsq helpbeh04n fa
> mdis04nb1n2 famdisdva2 sampexcellnt sampfair sampoor veryhappy nothappy depress
> ed04bin2 satisplace notsisplace if nomiss14==1, beta
    
```

| Source   | SS         | df   | MS         | Number of obs = 1006 |        |
|----------|------------|------|------------|----------------------|--------|
| Model    | 2523.45591 | 17   | 148.438583 | F( 17, 988) =        | 21.06  |
| Residual | 6965.08883 | 988  | 7.04968505 | Prob > F =           | 0.0000 |
| Total    | 9488.54473 | 1005 | 9.44133804 | R-squared =          | 0.2659 |
|          |            |      |            | Adj R-squared =      | 0.2533 |
|          |            |      |            | Root MSE =           | 2.6551 |

| negcg04      | Coef.     | Std. Err. | t     | P> t  | Beta      |
|--------------|-----------|-----------|-------|-------|-----------|
| gender       | .8781898  | .1785192  | 4.92  | 0.000 | .1380402  |
| race         | -.1492452 | .3269959  | -0.46 | 0.648 | -.0128425 |
| cgrel204     | -.1844619 | .1868581  | -0.99 | 0.324 | -.0296681 |
| helpad04nb1n | .9612172  | .1881505  | 5.11  | 0.000 | .1473943  |
| helpaddva    | .3200015  | .0635214  | 5.04  | 0.000 | .1402933  |
| socsup04nsq  | -.0355448 | .0226481  | -1.57 | 0.117 | -.0436472 |
| helpbeh04n   | -.8335928 | .3240382  | -2.57 | 0.010 | -.072228  |
| famdis04nb-2 | 1.849426  | .182759   | 10.12 | 0.000 | .2883149  |
| famdisdva2   | 1.695295  | .2442972  | 6.94  | 0.000 | .1921946  |
| sampexcellnt | .3535157  | .2838326  | 1.25  | 0.213 | .0366267  |
| sampfair     | .1132342  | .1992501  | 0.57  | 0.570 | .017769   |
| sampoor      | .9514637  | .2808133  | 3.39  | 0.001 | .1035829  |
| veryhappy    | -.0365713 | .2106787  | -0.17 | 0.862 | -.005068  |
| nothappy     | .7524954  | .2793584  | 2.69  | 0.007 | .0813769  |

```

Command
reg poscg04 gender race cgrel204 helpad04nb1n helpaddva
socsup04nsq helpbeh04n famdis04nb1n2 famdisdva2 sampexcellnt
sampfair depressed04bin2 satisplace notsisplace if
nomiss14==1, beta
    
```

```

Review
50 label variable cghealth99 "Is your health, in general, excellent, good, fair, or poor?"
51 reg ambiv1 female white cgrel204 dumeducgn1 dumeducgn3 dumeducgn4 dumcghealt...
52 xi: ologit negcgfin female cgrel204 helpad04nb1n helpaddva socsup04nsq helpbeh04n l...
    
```

Part-time programmers

Part-time programmers  
need your help.

Terrible tools

No real training

Demonstrably better  
languages and tools

No real training

Demonstrably better  
languages and tools

Effective pedagogy

Good languages



Top-notch IDEs

Marketing

Teaching

1. Memorize formulas

1. Memorize formulas

2. Forget formulas

1. Memorize formulas

2. Forget formulas

3. Learn a tool

# *How to Design X Programs*

Part-time programmers  
need **our** help.