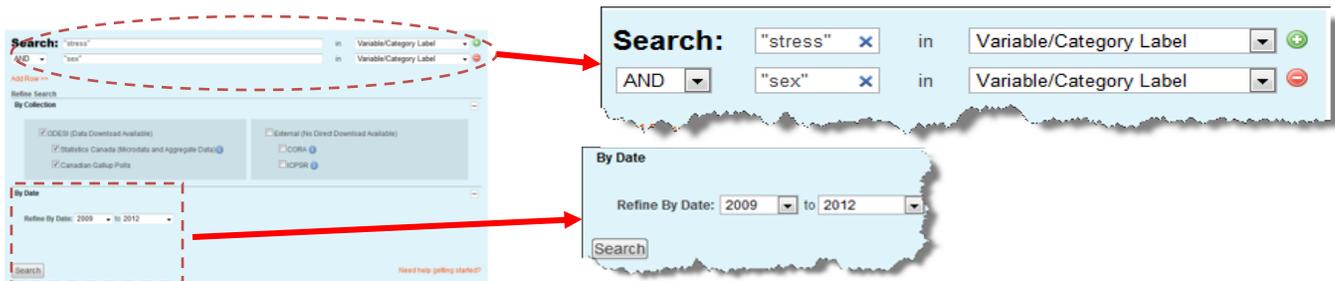# <odesi> Workshop Example – Work Stress and Sex

Question: What is the relationship between '**work stress**' and '**sex'**? What does this relationship look like in **Prince Edward Island**, specifically?

Step 1. Use **<odesi> Search** to find the text string **"stress"** and **"sex"**, both in "**Variable/Category Label**" as shown below, and refine your search by searching between the years **2009** and **2012**.

| Search: | "stress" ✕ | in | Variable/Category Label ▾ | ● |
| AND ▾ | "sex" ✕ | in | Variable/Category Label ▾ | ● |

By Date

Refine By Date: 2009 ▾ to 2012 ▾

Search

This search will find **surveys** that have *one or more questions* containing the phrase "stress" *and* *one or more questions* containing the word "sex". **Both** concepts must be present.
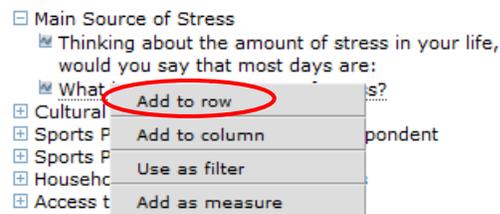
Step 2. Click on the survey title: "**General Social Survey, Cycle 24, 2010 [Canada]: Time-Stress and Well-Being, Main File**".

Step 3. On the LEFT-hand side of the screen, under the survey title, click on **Explore & Download** .

A *new window* should open, showing you the survey '**General Social Survey, Cycle 24, 2010…**', with the abstract, metadata and variable description.

Step 4. To explore the data, click **TABULATION** at the top-centre of the window. | DESCRIPTION | TABULATION | ANALYSIS |

Step 5. In the left-hand column, click on **Variable Description**, select the variable group **Main Source of Stress** and click on the variable "**What is your main source of stress**" and   choose '**Add to row**'.
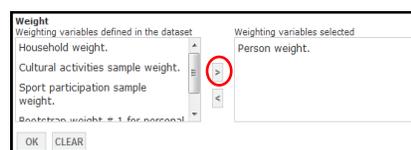
☐ Main Source of Stress
  ☑ Thinking about the amount of stress in your life, would you say that most days are:
  ☑ What _____ ss?
☐ Cultural   Add to row
☐ Sports P   Add to column   pondent
☐ Sports P   Use as filter
☐ Househc   Add as measure
☐ Access t

Step 6. Click on the '**Weight**' button at the top right of the screen to apply the person weight, click **OK**.

Unweighted results – Raw sample results. Not adjusted to take into account sampling issues such as gender, age, or the geographic distribution of the population.

What is your main source of stress?	Code	Frequency	% of all	% of valid
Work	1	3,363	21.9	38.9
Financial concerns	2	1,064	6.9	12.3
Family	3	1,421	9.2	16.4
School work	4	448	2.9	5.2
Not enough time	5	1,068	6.9	12.3
Health	6	546	3.5	6.3
Other	7	745	4.8	8.6
Not asked	97	6,595	42.9	-
Not stated	98	6	0.0	-
Don't know	99	134	0.9	-
Total		15,390	100.0	100.0

Choose the weight variable on the left and click **>** to move it to the right.

Weight
Weighting variables defined in the dataset   Weighting variables selected
Household weight.   Person weight.
Cultural activities sample weight.   >
Sport participation sample weight.   <
Bootstrap weight # 1 for person...

OK   CLEAR

Weighted results – Adjusted results. Provide estimates that are reflective of the demographics of the population being studied.

What is your main source of stress?	Code	Frequency	% of all	% of valid
Work	1	6,735,854.5	24.0	40.3
Financial concerns	2	1,972,243.6	7.0	11.8
Family	3	2,303,490.3	8.2	13.8
School work	4	1,505,563.1	5.4	9.0
Not enough time	5	2,111,622.9	7.5	12.6
Health	6	799,822.0	2.8	4.8
Other	7	1,280,537.0	4.6	7.7
Not asked	97	11,144,034.5	39.7	-
Not stated	98	9,556.5	0.0	-
Don't know	99	212,885.7	0.8	-
Total		28,075,610.2	100.0	100.0

Step 7. Now we'll look for the *other* variable we searched for: '**sex**'
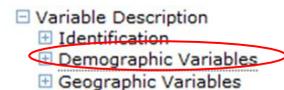
➔ In the LEFT-hand list of variables, open the category '**Demographic Variables**'

➔ Click on the variable '**Sex of respondent**', and choose '**Add to column**'.
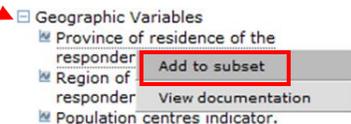
Step 8. Now let's look at the situation in Prince Edward Island… for this, we'll use the **SUBSETTING** feature
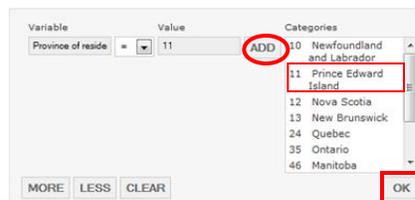
➔ Click on the **SUBSETTING** button on the top right hand side to open the subsetting window.

➔ From the LEFT-hand variable list, open the category "**Geographic Variables**".

➔ Click on the '**Province of residence of the respondent**' variable and choose '**Add to Subset**'

➔ Choose '**11**' (**Prince Edward Island**) and click "**Add**", as shown here…

➔ Click "**OK**" to apply these criteria (i.e. *to limit results to Prince Edward Island*)

➔ You should get the following table
(**estimates for Prince Edward Island only**):

Dataset: General Social Survey, Cycle 24, 2010 [Canada]: Time-Stress and Well-Being, Main File

Sex of respondent.	Male	Female	Total
What is your main source of stress?			
Work	39.2	25.8	32.0
Financial concerns	20.3	14.1	16.9
Family	8.9	25.7	17.9
School work	10.1	9.8	9.9
Not enough time	9.3	14.2	11.9
Health	8.2	4.9	6.4
Other	4.2	5.6	4.9
Total	100.0	100.0	100.0
N=	31,949.5	37,257.6	69,207.1

▼ Filter is on
🎧 Weight is on

> **Note that in PEI, work stress is the highest for both males and females**

Exercises –

1. For PEI, is there a difference in the tabulation tables among respondents **main source of stress** when the weight is on, verses when it is not on?

2. In what province, does the **main source of stress** caused by 'work' have the greatest difference between male and female respondents?

Thank you to Jeff Moon (Queen's University) for the original version of this example.