|  |  |  |  |
| --- | --- | --- | --- |
| ANALYSIS 1 – Comparing the Means of Two Populations  (choose *either* paired **or** independent samples, but not both) | | | |
| Analysis & Role | Specs[[1]](#footnote-1). | Item # | Item Name |
| 1 (if *paired*) – outcome A | Q |  |  |
| 1 (if *paired*) – outcome B | Q |  |  |
| 1 (if *indep*.) – outcome C | Q | 21 | In the past week, how many servings of a caffeinated beverage did you drink? |
| 1 (if *indep*.) – factor Z | F (2 levels) | 12 | Are you currently married or in a stable domestic relationship married? |

|  |  |  |  |
| --- | --- | --- | --- |
| ANALYSIS 2 – Comparing Means of 3+ Populations,  ANOVA with Tukey HSD | | | |
| Analysis & Role | Specs1. | Item # | Item Name |
| 2 – outcome D | Q | 21 | In the past week, how many servings of a caffeinated beverage did you drink? |
| 2 – factor Y (3-5 levels) | F (3-5 levels) | 1 | What year were you born? |

|  |  |  |  |
| --- | --- | --- | --- |
| ANALYSIS 3 – Regression Model with One Covariate  Use same outcome and factor as you used either in 1 (if independent samples) or 2, please. | | | |
| Analysis & Role | Specs1. | Item # | Item Name |
| 3 – outcome E  (please re-use C or D) | Q | 21 | In the past week, how many servings of a caffeinated beverage did you drink? |
| 3 – factor X  (please re-use Y or Z) | F (2-5 levels) | 1 | What year were you born? |
| 3 – covariate G | Q | 35 | How many friends do you have on Facebook? |

|  |  |  |  |
| --- | --- | --- | --- |
| ANALYSIS 4 – Comparing Two Population Proportions  2x2 Contingency Table | | | |
| Analysis & Role | Specs1. | Item # | Item Name |
| 4 – factor L (rows) | F (2 levels) | 46 | At any point in your life, have you sung or played a musical instrument in a structured setting (e.g., musical lessons, school band/orchestra/choir, etc.) for a period of at least one year? |
| 4 – factor M (columns) | F (2 levels) | 13 | Have you smoked 100 cigarettes or more in your entire life? |

|  |  |  |  |
| --- | --- | --- | --- |
| ANALYSIS 5 – A Larger Two-Way Table  JxK Contingency Table | | | |
| Analysis & Role | Specs1. | Item # | Item Name |
| 5 – factor J (rows) | F (2-5 levels) | 71 | Which operating system (OS) do you use on the computer/laptop you use most? |
| 5 – factor K (columns) | F (3-5 levels) | 72 | Which operating system do you use on the smart phone you use most? |

|  |  |  |  |
| --- | --- | --- | --- |
| ANALYSIS 6 – Comparing Two Population Proportions  2x2xJ Contingency Table, including Mantel-Haenszel Analysis | | | |
| Analysis & Role | Specs1. | Item # | Item Name |
| 6 – factor L (rows) (re-used from Analysis 4) | F (2 levels) | 46 | At any point in your life, have you sung or played a musical instrument in a structured setting (e.g., musical lessons, school band/orchestra/choir, etc.) for a period of at least one year? |
| 6 – factor M (columns) (re-used from Analysis 4) | F (2 levels) | 13 | Have you smoked 100 cigarettes or more in your entire life? |
| 6 – factor N (layers) | F (3-5 levels) | 51a | I reflect about my health a lot. |

Task C requires you to complete the course survey (Google Form) and to specify the list of items from the survey that you want to use in your eventual analyses.

1. Are you working on this project alone, or with a partner, and if so, who is your partner?

I am working with Connor Swingle

1. Here is the complete list of the items[[2]](#footnote-2) that I/we want to receive.

**Items Listed on Page 1 of this document**

|  |  |  |  |
| --- | --- | --- | --- |
| **Analysis** | **Description** | **Item #** | **Item Name** |
| **1** | **Quantitative Variable A** | **n.a.** | **n.a.** |
| **1** | **Quantitative Variable B** | **n.a.** | **n.a.** |
| **1** | **Quantitative Variable C** | **21** | In the past week, how many servings of a caffeinated beverage did you drink? |
| **2** | **Quantitative Variable D** | **21** | In the past week, how many servings of a caffeinated beverage did you drink? |
| **3** | **Quant. Var. E** (same as C or D) | **20** | In the past week, how many servings of alcoholic drinks did you consume? |
| **3** | **Quantitative Variable G** | **35** | How many friends do you have on Facebook? |
| **5** | **Categorical (2-5 Level) Factor J** | **71** | Which operating system (OS) do you use on the computer/laptop you use most? |
| **5** | **Categorical (3-5 Level) Factor K** | 72 | Which operating system do you use on the smart phone you use most? |
| **4 & 6** | **Categorical (2 Level) Factor L** | **46** | At any point in your life, have you sung or played a musical instrument in a structured setting (e.g., musical lessons, school band/orchestra/choir, etc.) for a period of at least one year? |
| **4 & 6** | **Categorical (2 Level) Factor M** | 13 | Have you smoked 100 cigarettes or more in your entire life? |
| **6** | **Categorical (3-5 Level) Factor N** | 51a | I reflect about my health a lot. |
| **3** | **Factor X** (same as either Y or Z) | **1** | What year were you born? |
| **2** | **Factor (3-5 Level) Variable Y** | **1** | What year were you born? |
| **1** | **Categorical (2 Level) Factor Z** | **12** | Are you currently married or in a stable domestic relationship married? |

**Items NOT Listed on Page 1 of this document but that I want to collect as backups**

|  |  |  |
| --- | --- | --- |
| **Description** | **Item #** | **Item Name** |
| **Backup Quantitative Variable for an Outcome** | **21** | **In the past week, how many servings of a caffeinated beverage did you drink?** |
| **Backup 2-Level Categorical Variable** | **50** | **Would you recognize LeBron James if you saw him walking on the street?** |
| **Backup 3+ Level Categorical Variable** | **16** | **For how long, in months, have you lived in Northeast Ohio?** |
| **One Extra Quantitative Variable, just in case** | **22** | **In the past week, how many minutes did you spend napping?** |

1. Q = Quantitative variable, F = factor (categorical) variable. If you want to use a scale made up of multiple items, specify each relevant item for that scale on page 2 and here. If you want to turn a quantitative variable into a categorical factor, or re-level an existing factor, list the item where you eventually intend to use it in your analyses. [↑](#footnote-ref-1)
2. Some items are parts of scales that either exist already or that you want to create. If you want to use the entire scale, specify each relevant item for that scale on page 1 and here. If you want to turn a quantitative variable into a categorical factor, or re-level an existing factor, list the item where you eventually intend to use it in your analyses. [↑](#footnote-ref-2)