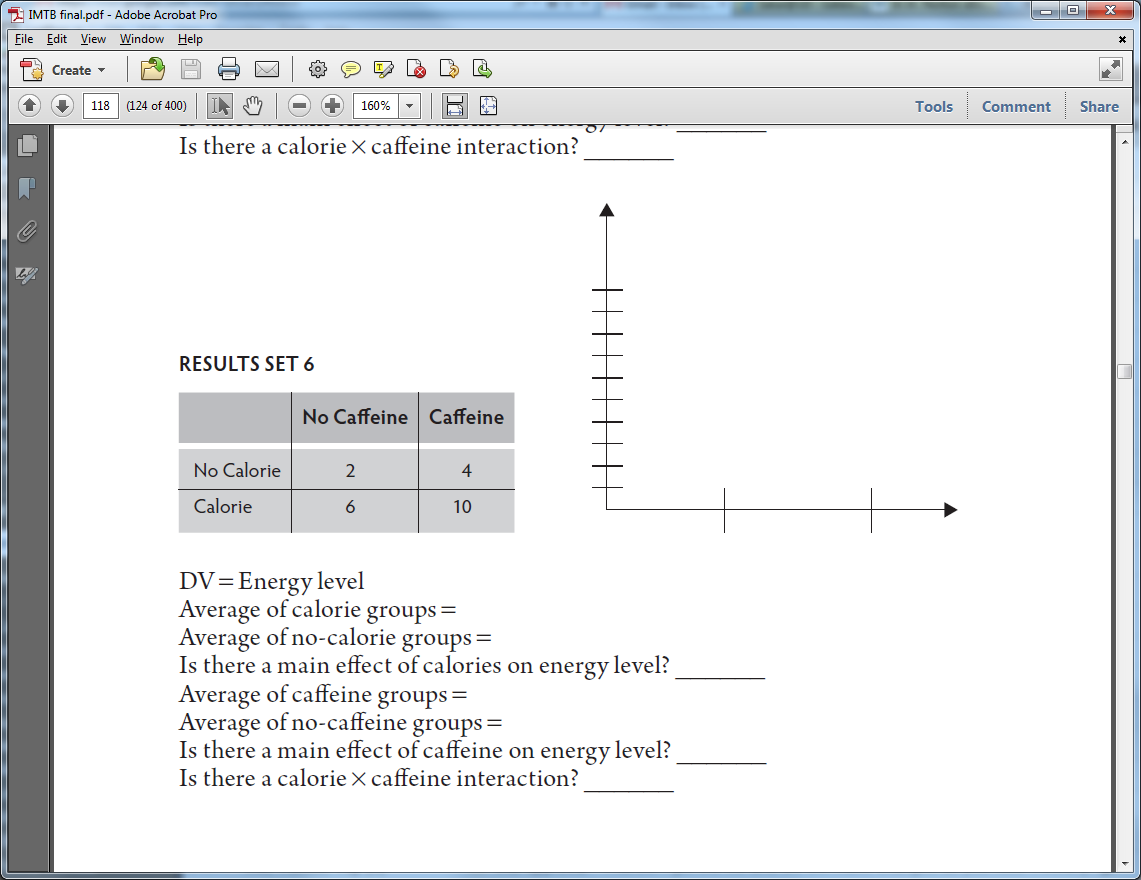
Does aggressive reality TV make people act out? One study tested this using *Real Housewives* (an aggressive reality show) and *Little People, Big World* (a nonaggressive reality show). They studied 60 people who were randomly assigned to watch an episode of *Real Housewives* or an episode of *Little People, Big World*. Then they had a study partner either insult them (“Your essay is horrible!”) or treat them neutrally (“I like your essay.”). Finally, they measured how each person reacted to the study partner (how much painful noise did they blast the partner with, on a scale of 0 to 10?). The noise blast was their operationalization of aggression.

Some possible results are tabled below. Use the tables to draw and label a graph for each set of results. Then answer the questions. *Consider a difference of 2 significant.*



**1. Results set 1**

|  |  |  |
| --- | --- | --- |
|  | **RH** | **LPBW** |
| **Insult** | **7** | **5** |
| **No insult** | **7** | **5** |

**DV: Aggression (noise) level on a 0–10 scale**

Average of *Real Housewives* groups =

Average of *Little People, Big World* groups =

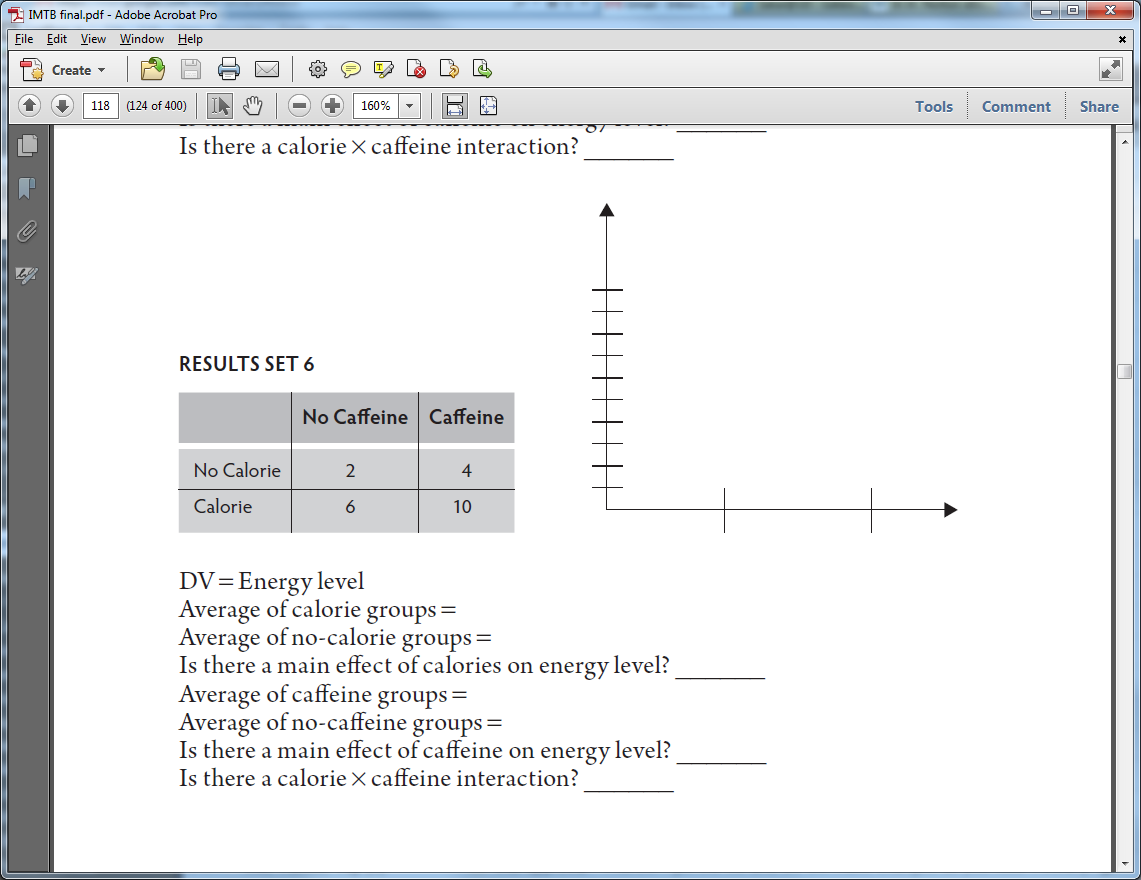
Is there likely a main effect of TV show on aggression? (Yes or no? Then, describe. Use this format: “There is [is not] a main effect for TV show, such that\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.”)

Average of insult groups =

Average of no-insult groups =

Is there likely a main effect of insult on aggression? (Yes or no? Then, describe. Use this format: “There is [is not] a main effect for insult, such that\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.”)

Is there likely an interaction in this set of results? If so, describe it:

**2. Results set 2**

|  |  |  |
| --- | --- | --- |
|  | **RH** | **LPBW** |
| **Insult** | **8** | **2** |
| **No insult** | **6** | **0** |

**DV: Aggression (noise) level on a 0–10 scale**

Average of *Real Housewives* groups =

Average of *Little People, Big World* groups =

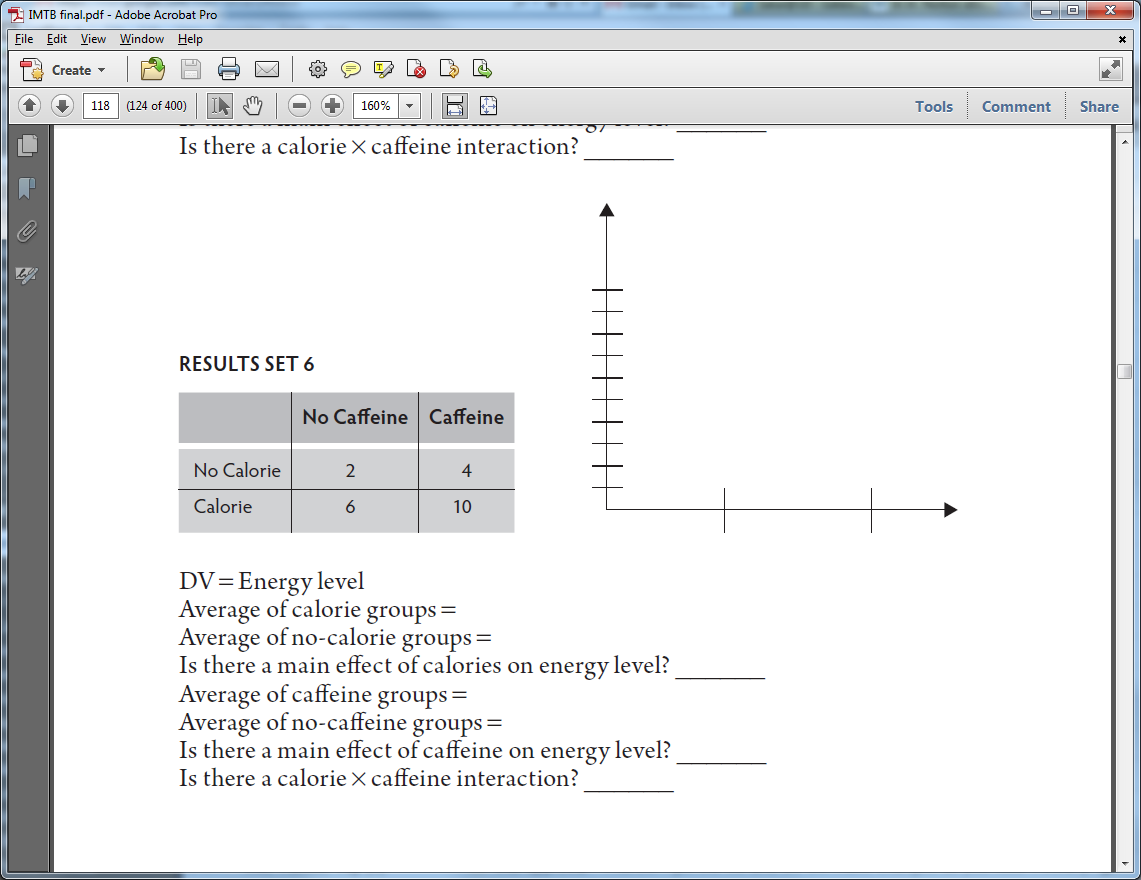
Is there likely a main effect of TV show on aggression? (Yes or no? Then, describe. Use this format: “There is [is not] a main effect for TV show, such that\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.”)

Average of insult groups =

Average of no-insult groups =

Is there likely a main effect of insult on aggression? (Yes or no? Then, describe. Use this format: “There is [is not] a main effect for insult, such that\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.”)

Is there likely an interaction in this set of results? If so, describe it:

**3. Results set 3**

|  |  |  |
| --- | --- | --- |
|  | **RH** | **LPBW** |
| **Insult** | **10** | **4** |
| **No insult** | **4** | **2** |

**DV: Aggression (noise) level on a 0–10 scale**

Average of *Real Housewives* groups =

Average of *Little People, Big World* groups =

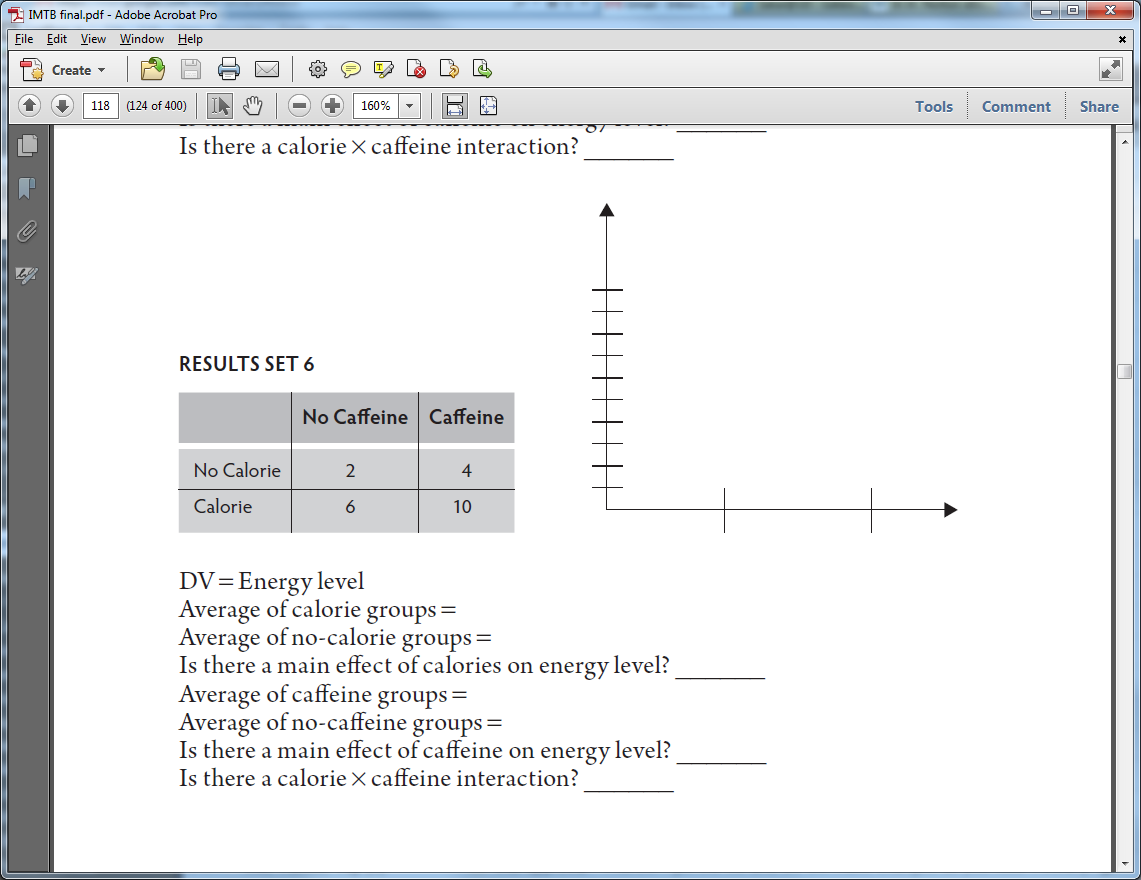
Is there likely a main effect of TV show on aggression? (Yes or no? Then, describe. Use this format: “There is [is not] a main effect for TV show, such that\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.”)

Average of insult groups =

Average of no-insult groups =

Is there likely a main effect of insult on aggression? (Yes or no? Then, describe. Use this format: “There is [is not] a main effect for insult, such that\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.”)

Is there likely an interaction in this set of results? If so, describe it:



**4. Results set 4**

|  |  |  |
| --- | --- | --- |
|  | **RH** | **LPBW** |
| **Insult** | **8** | **2** |
| **No insult** | **2** | **8** |

**DV: Aggression (noise) level on a 0–10 scale**

Average of *Real Housewives* groups =

Average of *Little People, Big World* groups =

Is there likely a main effect of TV show on aggression? (Yes or no? Then, describe. Use this format: “There is [is not] a main effect for TV show, such that\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.”)

Average of insult groups =

Average of no-insult groups =

Is there likely a main effect of insult on aggression? (Yes or no? Then, describe. Use this format: “There is [is not] a main effect for insult, such that\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.”)

Is there likely an interaction in this set of results? If so, describe it:

**5.** Surely, you have at some point in your life either heard a pick-up line or used one yourself. I’ve never *ever, ever, ever,* used one myself of course, but I’ve heard them used many times. The question always occurs to me; do they work? (Well did they?) This sounds like something we could investigate, so let’s suppose we did. Let’s say we are interested in whether some kinds of pick-lines work better than others (e.g., makes the recipient more receptive to a future date or what have you). We look in the research literature and find that, low-and-behold, this has actually been studied. We find two kinds of pick-up lines we are interested in using (cute/ funny ones) and more direct/innocuous ones. Further, let’s suppose we want to add another variable of how attractive the person is who delivers the pick–up line. So, we have two IVs. One is pick-up line and it has two levels “cute-direct” and “direct-direct.” We operationalized cute-direct as follows. A male research assistant approaches female bar patrons and says, “Are you an alien? Because you just abducted my heart. Ummm, okay. That was a clever pick-up line that you’re supposed to find cute and/or funny, leading you to think that I’m outgoing and confident. You should in no way think that was corny or potentially creepy. Oh yeah? Really what I wanted to say was Hi I’m Josh. What’s your name?” Here he starts with a cute/funny line and follows that up with a more direct introduction. In the second level of the IV, the researcher says, “I saw you across the room and knew I had to meet you” and from there everything else is the same as above starting with .. Ummm.” So here, he starts with a direct line and then continues on with a direct introduction. The dependent variable is let’s say a 5-point scale item of how likely the recipient of the line wants to go out with the person in the future (where 1 = *ummm.. helz no, get me out of here* to 5 = *I want his number straight away please and thank you*) (that is, higher numbers means more interested or receptive). Let’s also say that the male was either very attractive (as pre-rated by a separate group of participants) or more average-looking (as pre-rated). So, we have a 2 (pick-up line) x 2 (looks) between-subjects factorial “field” design. Let’s suppose the outcome is as follows.

**Describe the main effects and the interaction.** Assume difference of .20 or higher are significant for main effects of .20 of higher are significant.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Cute-Direct Line** | **Direct-Direct Line** |  |
| **Attractive Person** | **4.04** | **3.61** |  |
| **Average Looking Person** | **3.69** | **3.72** |  |
|  |  | **3** |  |