Worksheet for Assignment #1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use this worksheet to complete the assignment. The completed worksheet can be longer than one page. There are some sample responses (the shaded cells) provided to you as a guide. Remove those before you begin!

Part 1: Develop Hypotheses

|  |  |
| --- | --- |
| **Hypothesis (1 sentence)** | **Rationale (2-3 sentences)** |
| Hypothesis 1:  Adult domesticated dogs, on average, weigh more than adult domesticated cats. | Most house dogs are larger than house cats, so it is likely they would weigh more. Big cats (like lions) usually aren’t pets. |
| Hypothesis 2: |  |
| Hypothesis 3: |  |
| Hypothesis 4: |  |
| Hypothesis 5: |  |

Part 2: Identify Data Sets

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Set** | **Name** | **URL** | **Instructions** |
| 1 | Breed Weight Chart | <http://modernpuppies.com/breedweightchart.aspx> | None |
| 2 | Compare Cat Breeds | <http://cat-breeds.findthebest.com> | Select “List” to see the table. |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |

Part 3: Mapping Data to the Hypotheses (add rows as needed)

|  |  |  |
| --- | --- | --- |
| **Hypothesis** | **Data** | **Source** |
| Hypothesis 1: Adult domesticated dogs, on average, weigh more than adult domesticated cats. | Average Adult Weight | Data set #1 |
|  | Approximate Adult Weight | Data set #2 |
| Hypothesis 2: |  |  |
|  |  |  |
| Hypothesis 3: |  |  |
|  |  |  |
| Hypothesis 4: |  |  |
|  |  |  |
| Hypothesis 5: |  |  |
|  |  |  |