**Step 2: Organize and Describe the Data**

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Type** | **Units** | **Notes** |
| Feeding times | Input | Time ( hh:mm) | Staff schedule food dispenser in advance |
| Pet profile  (dog/cat, size) | Input | Text/id | Used to determine appropriate food quantity |
| Weight sensor | Input | Grams | Detect remaining food in storage bin and measure the amount of food consumed |
| Alerts | Output | LED or buzzer | If food not dispensed or not consumed or low food supply |
| Display amount eaten | Output | Grams or % | Show on monitoring |
| Food dispensing | Output | Grams | Base on pet type |