URL of data: Data are archived on the Brightspace: Biology Data Repository, under the Whalen/Lab 2 folders.

Methods: We cut 4 potatoes into: 'Large' 2cm x 2cm x 2cm cubes; and 4 potatoes each into '8 Small' 1cm x 1cm x 1cm cubes. We weighed 1 'Large' potato piece and '8 Small' potato pieces and then placed the 1 'Large' potato piece, recorded these as 'Initial Weights', and then placed the Large potato cube into a beaker containing 300 mL of distilled water. At the same time we placed the '8 Small' potato pieces into a different beaker also containing 300 mL of distilled water. After 10 minutes, we removed the 'Large' potato cube, blotted off excess water using a paper towel, and then weight the potato (final weight). We then blotted off each of the 8 small potato cubes, weighed these all together and recorded the final weight for the 8 small potatoes. We repeated the experiment for beakers containing 300mL of 0.9%, 2% and 5% NaCl.

[It is permissible to cut and paste the Methods from the Lab report]

Contact information:
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Date experiment was performed: March 12, 2-5pm.

Data structure: The data are structured with 4 columns: Treatment, Concentration, Final Weight, and Initial Weight.

- *Treatment* is either A = Large potato cube, or B = 8 small potato cubes.
- *Concentration* is either 0%, 0.9%, 2% or 5% NaCl.
- *Final Weight* is recorded in grams. For the 8 small cubes treatment all cubes were weighed together.
- *Initial Weight* is recorded in grams. For the 8 small cubes treatment all cubes were weighed together.

The data consists of 9 rows. Row 1 contains header labels and rows 2-9 are the data for the 2 treatments x 4 NaCl concentrations.

Additional information: Some small parts of the potato were floating in the solution for all

Based loosely on the ASLO/L&O guidelines.

Marks:
1 mark for URL
1 mark for including the Methods. Methods will be more strictly marked in the lab report.
1 mark for complete contact information
1 mark for the date and time
3 marks for data structure: Units are given (1 mark); levels of the variables are clear – in this case 'A' and 'B' need to be clear, the other variables don't required clarification. (1 mark); dimensions of the data are clear (1 mark).