

## Vectors & Matrices & Missing Values Popquiz – 7 October 2024 (DSC 105)

1. Create a vector `temp` of temperatures predicted for next week. The temperatures (from Monday to Friday) were: 76, 75, 77, 79, 81.
2. Create a vector `week` of weekdays from Monday (Mon) to Friday (Fri):
3. Name the `temp` vector according to days of `week`:
4. Print temperatures that are not below 80 degrees Fahrenheit:
5. Compute the average of the temperatures for the `week`:
6. Compute the average of the temperature for the `week` without the days on which the temperature was at least 80 degrees Fahrenheit:
7. Create an unnamed vector `temp2` from `temp`:
8. Convert the vector `temp2` into a 2 x 5 matrix `temp_m`:
9. Name the columns of the matrix according to `week` names:
10. Compute the average temperature without using the `mean` function:
11. Compute the average temperature using the `mean` function:
12. Compute the average temperature with `mean` for the days where the temperature was greater or equal 80 F:
13. Add a row of missing values to the matrix and store it in `temp_m2`:
14. Compute the average temperature of `temp_m2` using `mean`:
15. Compute the average temperature with `mean` only for the days where the temperature was greater or equal 80 degrees Fahrenheit: