# Written Report - 6.419x Module X

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## Problem X: Template for assignments

Part (x): *(**X points**) This is a bare bones template for generating a complete report for MITx6.419x*[1]*. (~100 word limit.)*

**Solution:** Open the Markdown version of the template and copy this into a new file to get started! Note: you'll need `references.bib` and `apa-6th-edition.csl` as well!

### Example - Figure 1

Figure 1: Example caption for graph[2]

1. **In-text citation:**
   - Aynaud's work on community detection has been widely used (Aynaud, 2025).
   - The complexity of matrix multiplication has been studied extensively ("Computational Complexity of Matrix Multiplication," 2025).

[1] https://www.edx.org/learn/data-analysis/massachusetts-institute-of-technology-data-analysis-statistical-modeling-and-computation-in-applications

[2] Image downloaded from Pixabay all credit to (krzysztof-m, n.d.)

**Example - Table 1**

Table 1: A random table caption

| Node | Stat | $p$-value |
|---|---|---|
| A | 1.0 | 0.0009765625 |
| B | 3.0 | 0.0009765625 |
| C | 0.5 | 0.0009765625 |
| D | 0.0 | 0.0009765625 |
| E | 9.0 | 0.0322265625 |
| F | 17.0 | 0.322265625 |

**Example - TEX Math**

You can use TEX based math notation for both inline equations $x = 1 + 2$ as well as multi-line blocks (see below). I generally have a cheatsheet open all the time[3]. Be careful, sometimes Pandoc will fail to render because it doesn't like something in one of your math blocks.

$$x = \begin{bmatrix} a & b \\ c & d \end{bmatrix} \tag{1}$$

$$= \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} \tag{2}$$

[3] https://quickref.me/latex

# References

Aynaud, T. (2025). *Taynaud/python-louvain*. Retrieved from https://github.com/taynaud/python-louvain

Computational complexity of matrix multiplication. (2025). *Wikipedia*. Retrieved from https://en.wikipedia.org/w/index.php?title=Computational_complexity_of_matrix_multiplication&oldid=1281194461

krzysztof-m. (n.d.). Retrieved from https://pixabay.com/users/krzysztof-m-1363864/?utm_source=link-attribution&utm_medium=referral&utm_campaign=image&utm_content=7128362

# Appendix A

This is additional information