An economic analysis of the cost of living in Canada

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**Overview:** Our project aims to create a visual representation of the cost of living in various Canadian cities across Canada, while we were not able to fully completely overview, we have created a visualization of the cost of fuel nationwide.

**Instruction:** We recommend opening the project with the inspector (ctr-shit-i) opened and refresh because we have noticed an issue where the object value is not fully shown in the console if the inspector is not opened before hand. In the base index.html page you will see a dropdown on the top right side of the screen and a slider on the lift hand side. The slider allows the user to see the differences in prices across the years for one specific location, going from east to west end starting from Newfoundland before ending on the Yukon and Northwest Territories. The drop down shows the users the other collections and when other collections are selected there will be a home button on the top left to take the other to the original.   
**Ethics:** All our data was collected from statcan which is a government of Canada database which allows us to download the data as csv. No data was collected through scraping and uploading to the MongoDB Atlas was done remotely.

**References:** the references are at the bottom of each page with a clickable link that takes the user to the exact data including time range and fuel type.

**References:** ChatGPT was used to help format the date because our data was in a yy-mmm format, and it took a long time for us to create a workable solution to solve the problem.

**Analysis:** based on the data shown we have concluded that diesel is the most volatile fuel with the highest year over year and month to month change. Alberta as the energy province of Canada has the cheapest fuel with them being the only province where diesel has never been over 2$. Lastly with the current trends we see within Ontario we predict the price of regular gas will rise and approach 1.70$ by June.