# Declaration of Academic Integrity

Academic Integrity is a central tenet of Singapore Polytechnic. The polytechnic rules state that "Cheating in examinations and other assessed work is a very serious offence. This includes copying and using plagiarised material. Any student who cheats, attempts to cheat or breaches any rules for examinations and tests will face disciplinary action. The student is liable to be expelled."

Check **only one** of the two options below:

I affirm that the work I submit is my own, produced without help from any AI tool(s) and/or other source(s).

I affirm that the work I submit has been produced with the use of AI tool(s) and/or other source(s) which I have acknowledged fully in the [following section](#_Acknowledgement_of_use).

By signing this form, I declare that the above affirmation made is true, and that I have read and understood the rules stated in Students Handbook on “[Plagiarism](https://www.sp.edu.sg/sp/student-services/osc-overview/student-handbook/intellectual-property-copyright-and-plagiarism)” and “[Breach of Examination/Assessment Rules](https://www.sp.edu.sg/sp/student-services/osc-overview/student-handbook/conduct-in-examinations-breach-of-exam-rules)”.

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| --- | --- | --- |
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| Signature: | Date:  7/6/2023 | |

## Acknowledgement of use of AI tool(s) and/or other source(s) (where applicable)

### AI tool(s)

|  |  |
| --- | --- |
| **Name of AI tool** | ChatGPT |
| **Input prompt** | how do i add space between these two graphs and give them each a title? |
| **Date generated** | 5/6/2023 |
| **Output generated** | # Adjust the spacing between the subplots  plt.subplots\_adjust(hspace=0.5) # Adjust the value as per your desired spacing |
| **Impact on submission** | It was used to add spacing for two graphs in the same figure. |

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| **Name of AI tool** | ChatGPT |
| **Input prompt** | how do i remove -1 values from an array |
| **Date generated** | 5/6/2023 |
| **Output generated** | # Remove -1 values from median\_rent\_of\_town  median\_rent\_of\_town = [rent[rent != -1] for rent in median\_rent\_of\_town] |
| **Impact on submission** | Used this code to clean dataset. |

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| **Name of AI tool** | ChatGPT |
| **Input prompt** | i want the minimum, maximum to be labelled |
| **Date generated** | 5/6/2023 |
| **Output generated** | # Add labels for minimum, maximum, Q1, and Q3  for i, box in enumerate(bp['boxes']):  # Get the coordinates of the box  x = box.get\_xdata()  y = box.get\_ydata()    # Position the labels  label\_x = x.mean()  label\_y\_min = y.min()  label\_y\_max = y.max()  label\_y\_q1 = np.percentile(y, 25)  label\_y\_q3 = np.percentile(y, 75)    # Add the labels  plt.text(label\_x, label\_y\_min, f'Min: {label\_y\_min:.0f}', ha='center', va='bottom')  plt.text(label\_x, label\_y\_max, f'Max: {label\_y\_max:.0f}', ha='center', va='top')  plt.text(label\_x, label\_y\_q1, f'Q1: {label\_y\_q1:.0f}', ha='center', va='bottom')  plt.text(label\_x, label\_y\_q3, f'Q3: {label\_y\_q3:.0f}', ha='center', va='top')  plt.show() |
| **Impact on submission** | Used this code to label whiskers of boxplot for better data analysis. |

### Other source(s)

|  |  |
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| **Source** | **Impact on submission** |
| < *Link to online source* > | < *Briefly explain which part of your submitted work the online source was applied* > |
| < *Author, Book / Article / Journal, Year, Pages* > | < *Briefly explain which part of your submitted work the Book / Article / Journal was applied* > |
| < *Student / Person name* > | < *Briefly explain which part of your submitted work the help of another student / person was applied* > |
| < *Others* > | < *Briefly explain which part of your submitted work the source was applied* > |