

Average it out


Are you above or below average?



Dollar Street

Imagine the world as a street ordered by income. Everyone lives somewhere on the street. The poorest lives to the left and the richest to the right. Everybody else live somewhere in between. The Dollar Street website has been set up exactly like this. It is filled with photographs of what life is like for people living all around the world, from the richest to the poorest.

Use the knowledge you have of your own home, the Caritas Australia Project Compassion website (<https://lent.caritas.org.au/>) and the Dollar Street website (<https://www.gapminder.org/dollar-street>) to complete the following activities

 **You will need to complete the calculations from 'Measure It Up – Home' to complete all these tasks.**

1. Compare the number of people living in your house to the average number of people living in the house of your chosen country.
2. Calculate how much space each person in your house has based on your area calculations.
3. Calculate how much space each person from your chosen country has based on your estimation of area. Compare the two. Who has the greatest amount of space?
4. Calculate the average area for each person in all the countries represented in Project Compassion stories.
5. Calculate, mean, median and mode.
6. Answer the following questions:
 - Are you above or below average?
 - What is the difference between the highest and the lowest?
 - What happens when you include the results from other countries? Does it increase or decrease the average?
 - Justify your response.
7. Graph your results either on paper or using an online tool.
8. Respond to and record your responses to the following questions:
 - a) Which country has the greatest area per person? The least?
 - b) Why is this the case?
 - c) Write 4 of your own questions (and answers) about your data.
 - d) Can the data be represented in different types of graphs effectively? Histogram, pie graph, bar graph, dot plot.
 - e) Which is the best type of graph to present your data? Explain your reasoning.
9. Present your findings from this on one page – be creative. You might like to use an infographic tool.
10. Create a diagram or model to scale showing the differences of area per person of at least three different countries.
11. How hard or easy would social distancing be in these countries? What are the challenges? Barriers?