

### A writing rubric for "describe" or "explain" questions in Maths and Stats.

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When given an "explain", "describe" or "compare and contrast" task, what are common difficulties that students have?

#### Have a go at one:

The following graphs are distributions of ages in two populations. The United States of America (based on US census data) and Facebook users:



Describe features of the distributions comparatively. Aim to make at least three statements. Support your statements with statistical evidence.

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#### The OSEM writing frame means:

O stands for Obvious observations:

Write down <u>one</u> thing you notice, then leave a gap, and write down something else you notice. Try to get 3 obvious things.

Example of an observation a student might make:

**S** is for **S**pecific: Under each obvious observation, explain what you mean so that another person would get it.

**E** is for **E**vidence: Support each observation with numbers or calculations.

- **M** is for **M**eaning: Write down what each of your points tells you about the problem/situation. This is all about the <u>context</u>.
  - 1. Make <u>sense</u> of it. Explanations.

2. So what? Implications.









## 1.10 Multivariate – Conclusion



# And even in Level 2 Coordinate Geometry



