Visualisation Assignment - Experiment
Marking Scheme

	Proposed hypothesis (30.0)			Experimental method (40.0)					Sample visualisations (30.0)	
	Question Definition	State of the Art	Importance	Overview	Data Collection	Selected Subjects	Data Analysis	Practical Setup	Quality/ Appropriateness	Coverage
	G- to D+: Poorly defined question that does not relate to visualisation theory	G- to D+: Little or no coverage of the state of the art	G- to D+: Trivial question	G- to D+: Sketchy details about how the experiment would be run.	G- to D+: Little beyond we will survey participants or we will measure things.	G- to D+: Little or no detail about who the participants in the experiment will be	G- to D+: Little or no explicit detail about what data analysis techniques will be used and	G- to D+: Little or no detail about how the experiment will actually take place.	G- to D+: Stock images sourced from the internet	G- to D+: Only a small number of images covering a small set of independent variable level combinations
	C- to B: Some gaps in question definition, or else the question does not really relate to visualisations theory.	C- to B: Coverage of state of the art is not terribly relevant or is very out of date	C- to B: Not clear why the proposed question is worth investigating or how the answer to it would change the way that we design data visualisations	C- to B: Some gaps in the description of how the experiment will be run.	C- to B: Problems with listed data collection, for example measures are not concrete enough, or not appropriate for experiment.	C- to B: Some gaps in the details about participants	C- to B: Some gaps in the details about the analysis that will be performed - maybe not the best analysis techniques or maybe analysis techniques don't match experimental goals.	C- to B: Some gaps in the description	C- to B: Some problems with the production values of the image or some mismatch between images and experiment description	C- to B: Some gaps in coverage of the images
	B+ to A+: Clearly defined question that addresses an important issue in data visualisation	B+ to A+: Very good coverage of relevant, recent state of the art (with citations) - and the gap in the state of the art that warrants the proposed experiment	B+ to A+: Important question, the answer to which would change the way that we design visualisations, and which hasn't been investigated extensively before.	B+ to A+: A very good description of how the experiment will be run (between subject/within subject, ordering, identification of independent and dependent variables, online or offline, etc.) and what it is setting out to achieve.	B+ to A+: Clearly defined, measurable metrics that will be gathered during the experiment	B+ to A+: Detailed description of how many participants will be required for the experiment, what their background will be, etc.	B+ to A+: Detailed description about the appropriate analysis methods that will be used for the experiment, and how they match the goals of the experiment	B+ to A+: Detailed description of the practical issues involved in running the designed experiment - where will it happen, what will the instructions be, how will date be collected, …	B+ to A+: Very high quality, well presented images that match the experimental description	B+ to A+: Full set of images covering all of the combinations of independent variable levels