

## Detail Schedule of Course

<b>Session &amp; Time</b>	<b>Session Title</b>	<b>Topics covered</b>
<b>Day 1</b>		
Session I 0930 – 1130	Introduction	<ol style="list-style-type: none"> <li>1. What is data visualisation?</li> <li>2. The history and evolution of DV</li> <li>3. Core DV principles</li> </ol>
Session II 1145 – 1300	Exercise: Storytelling using data	<ol style="list-style-type: none"> <li>1. Building a narrative using data</li> <li>2. Trying to answer what comes first, the story or the data.</li> </ol>
Session III 1400 – 1545	Elements of Data Visualisation	<ol style="list-style-type: none"> <li>1. Breaking down the dimensions of data</li> <li>2. Understanding the uses of visualisation</li> <li>3. Elements of graphical representation</li> </ol>
Session IV 1600 – 1730	Qualitative Data Visualisation	<ol style="list-style-type: none"> <li>1. What is qualitative data?</li> <li>2. How to effectively visualize text &amp; non-quantitative data?</li> </ol>
<b>Day 2</b>		
Session I 0930 – 1130	Quantitative Data Visualisation I	<ol style="list-style-type: none"> <li>1. Introduction to quantitative data</li> <li>2. Ways to visualise quantitative data – graphical methods, visual cues</li> </ol>
Session II 1145 – 1300	Quantitative Data Visualisation II – working with tools	<ol style="list-style-type: none"> <li>1. Preparing quantitative data for visualisation</li> <li>2. Hands-on exercise using Excel</li> </ol>
Session III 1400 – 1545	Spatial Data Visualisation I	<ol style="list-style-type: none"> <li>1. What is GIS and spatial data?</li> <li>2. What is spatial DV?</li> <li>3. Accessing spatial data sources</li> </ol>
Session IV 1600 – 1730	Spatial Data Visualisation II – working with tools	<ol style="list-style-type: none"> <li>1. Introduction to Carto, Google Earth and other relevant tools</li> <li>2. Hands on exercise</li> </ol>
<b>Day 3</b>		
Session I 0930-1000	Design principles for Data Visualisation	<ol style="list-style-type: none"> <li>1. Design do's and don'ts</li> <li>2. Effective usage of fonts, colours and symbols to create impactful visualisations</li> </ol>
Session I 1000 – 1145	Group exercise: Building Narratives	Integrating aspects of qualitative, quantitative and spatial DV to make a capstone presentation
Session II 1200 – 1300	Interim presentation to an external panel of experts	

Session III 1400 – 1545	Group exercise: Preparing presentations	
Session IV 1600 – 1730	Final presentations to external panel of experts	
Session V 1730 – 1800	Debrief and course closure	<ol style="list-style-type: none"><li>1. Feedback</li><li>2. Course completion certificates</li></ol>