Big Local Data Expedition 28th August 2018, 10am-4pm

Workshop facilitators	Sam, Julian
Room setup	2-4 tables for group work, depending on number of attendees
Tech/equipment	Projection equipment, whiteboard
Documentation	Camera
Media	
Materials	Labels, post it notes (ideally arrows), sharpies, flip pad, Data & Dragons printouts, Data Pipeline print outs
Catering	Tea/coffee set out for 18, catering provided for around 1pm

Time	**Activity & materials**	Activity Content	**Lead**	**Learning Outcome**
10.00	**Introductions and housekeeping**	Introduce day & schedule Toilets/refreshments/fire exits etc Introduce team Introduce rules for the day	Julian	
10.15	**Data Explorer** Data and Dragons print outs, pens	Introduce the idea of Data Explorer Fill out form as an example. Use the skillsets to form groups where all skills are covered (this may not be possible if it's an event of, say,Manchester all analysts! Remind people that they are probably more capable than they give themselves credit for! Stick to wall?	Sam	Ice breaker, self-appraisal of skill sets, form groups.

		Get them to present themselves to their groups. Pick a few to share with the whole workshop. Ask questions like “Did anyone score a 3 for ‘Analyst’?’		
10.30	**DIKW and questions**	Ask from the group about questions that people have come up with. Talk through with them about DIKW.	Julian	
10.45	**Data Pipeline** Data Pipeline cards Post its Pens	Give each group set of Data Pipeline Cards. Ask to put them in order. After a few minutes, give them some post it notes / arrows shapes. Get them to think in non-linear terms. Ask groups to share their pipelines. Ideally they should be: - Non linear - At any point you may need to go back any of the previous steps. - Best example is snakes and ladders.	Sam	Introduce the data pipeline methodology, and the non-linear approach
11.00	**Spectogram**	Get groups to come up with controversial questions, ideally based around where they live or the area in which they work. Ie ‘Manchester should invest in more roads and not in public transport’. Get groups to stand up and form a line, one end being ‘disagree totally’ and the other ‘agree completely’. Ask people to explain their choice. People can move along the spectogram if person’s view changes their mind!		Get groups to think about questions they are interested in, starting point for their expedition.
11.15	**The 5 Whys**	Taking abstract questions from Spectogram as example. And ‘why is this the case?’ 5 times or until you get to a measurable question.		Take abstract question, make it measurable. Explore idea of quantifying abstract questions.

11.20	**Define Questions and break into groups**	Participants put themselves into groups based on the question they wish to explore, ideally with a good mix of skills.		
11.30	**Introduce Wall of Data & Toolbox**	Wall of data / toolbox on whiteboard. Throughout the day, participants write up any data sources or tools for processing data that they know / find.		Create a resource of online databases
11.35	**Expedition**	Groups attempt to explore their dataset, look for new data, access, analyse etc. - Remind people to share on Wall of Data / Toolkit!		Find/explore the dataset, go through the data pipeline as much as possible!
12.30	**Quick share**	Short 5 minute sharing / where are groups up to / any help needed? / anything interesting to share?		
13.00	**Working lunch**			
14.00	**Quick share**	Short 5 minute sharing / where are groups up to / any help needed? / anything interesting to share?		
15.30	**Final sharing**	Groups share where they have got up to. Ask to reflect on Data Explorer from start - do they want to amend their skillsets??		May not have anything concrete - only more answers