"I need to produce and use data!"

Why do I need to produce and use data? What's my **purpose**?

Framing the Question(s)
– What will my **question**(s) be?

Collecting
What **tool** will I use to be most efficient?
Who will I ask OR **what** will I observe?

Sorting and Organising
Do I need to sort and organise my data?

For my particular purposes, does the data need to be represented or just interpreted?

Representing
– What **data display** will tell the story best?
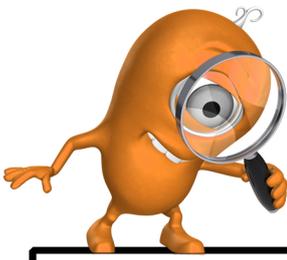
Interpreting/Reading the Data
–What does my data mean?
–What story does it tell?

Acting
– How will I use what I found out?
– Did my **data process** help me **achieve my purpose**?

Producing and Using Data Thinking Questions - EY
Learning Journeys

I need to produce and use data!

Why do I need to produce and use data? **What is my purpose?**	
Framing the question(s) - What will my question(s) be? What purpose do I want the data for? What question(s) will ensure I get the information I need?	
Collecting - What collecting strategies will I use? Survey/questionnaire/observation(online/paper) app/software? **Who will I collect from?** Do I need a population or a sample?	
Sorting and Organising How can the information I have collected be sorted and organised so that I easily consider what it says? *For my particular purposes, does the data need to be represented or just interpreted?*	
Representing - for what purpose do I need to represent this information? Who will be the audience? What is the most appropriate form of representaion to get the message across? Mathematically appropriate/most efficient/most valid?	
Interpreting/Reading the Data What does my data mean? What story does it tell?	
Acting - Did my data help me achieve my purpose? Now I know this "story" what action should I take? Data is collected for a purpose - how will I use what I have found out? What have I learnt about the process of collecting and using data?	