Teaching data literacy skills via online and interactive 'Data Skills Modules'"

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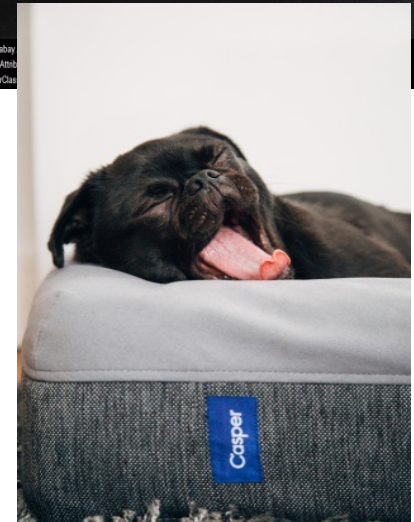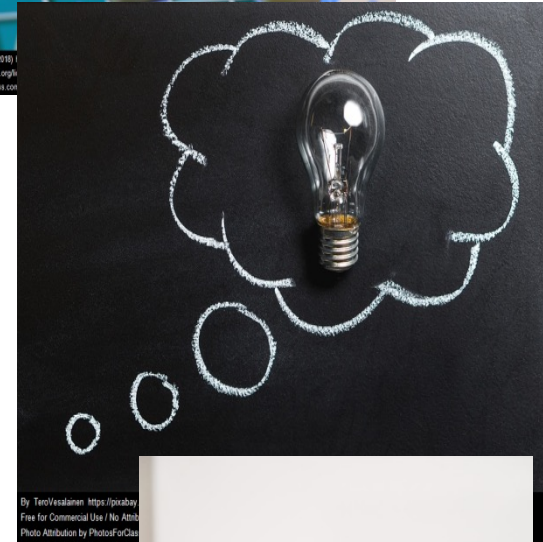IASSIST Conference, 2021

What are the Data Skills Modules?

- Aim: introduce secondary data analysis
  - key data types & basic skills

- Audience: beginners

- Can be used for self-learning or teaching

- 3 online modules (each 1.5-2 hours long)
  - Survey data
  - Longitudinal data
  - Aggregate data

- Multi-media & interactive: videos, slides, exercises and quizzes

- Open-source software options

Pedagogy

- Experiential learning
  - Real data
  - Exercises
  - Quizzes

- Reflection
  - Evaluation of learning and correction (quizzes)

- Motivation to keep going - multi-media

- Case-studies – real use of the data

- Structured and chunked
  - Directional learning 'v' locus of control

FORTHCOMING

- Updated 3 existing modules
- Created a new module on Using Crime Data with R
- Creating a further 3 modules (next 18 months)

- SNEAK PREVIEW OF UPDATED/NEW MODULES:

<<Previewed during the presentation but URLs removed until launch>>