Reflections on CODATA-RDA summer school

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Gap in skills for researchers

Researchers need to be empowered
to do more with their data so that….

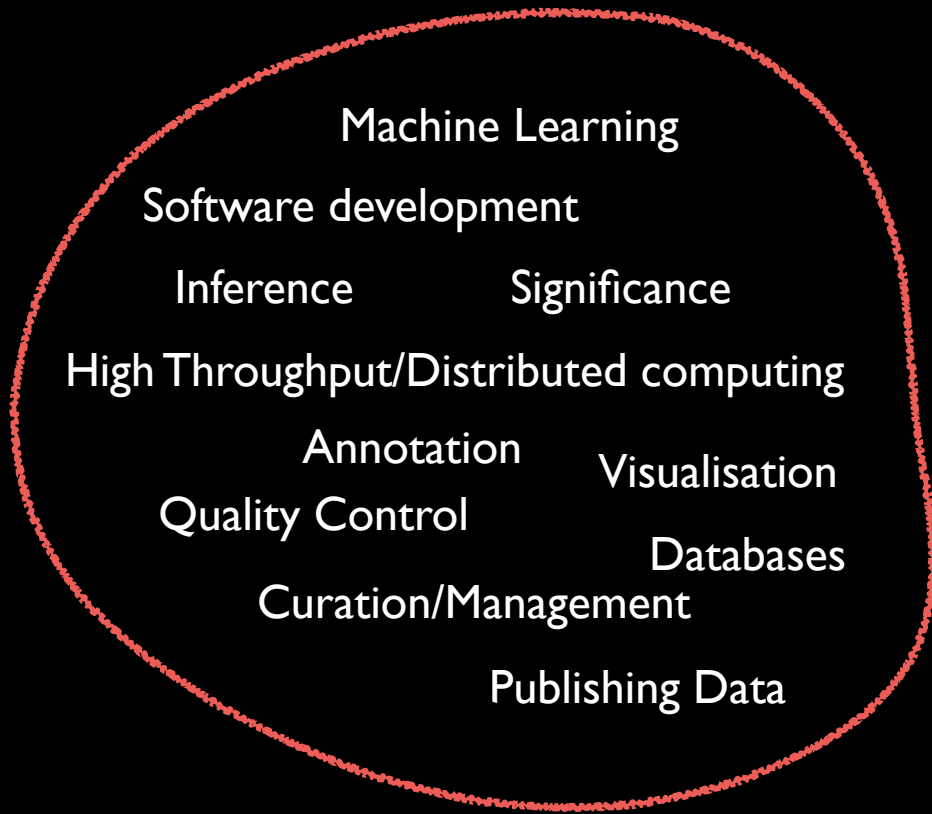they can be more efficient,

(hopefully) they can be more effective,

they know when to reach out to
Data X professional,

(sotto voce) being Open is seen as a win.

Research
Data   =
Science

Machine Learning

Software development

Inference   Significance

High Throughput/Distributed computing

Annotation

Visualisation

Quality Control

Databases

Curation/Management

Publishing Data

CODATA-RDA Schools

CODATA-RDA schools attempt to provide
a foundation for researchers in all of the relevant skills.

Particular focus on delivering teaching
to Low and Middle Countries.

Goal - build a common curriculum delivered in
many locations.

Strategy

As much as possible build on and partner
with other related activities.

Blend materials rather than trying to build from scratch.

Aim for a core curriculum, hence easy to deliver.

Long term obsolescence as Universities deliver this.

Curriculum

Software Carpentry

Research Data Management

Visualisation

Analysis

Computational Infrastructures

Open Science

Author Carpentry

Two weeks - most courses 1-2 days

Evening events - Author Carpentry

Some days running from 9-9

Students from 32 countries, ~70 participants

Challenges

Scaling up - the operation is logistically large.

Great set of instructors and helpers.

How does it get more streamlined?

Core curriculum - how to grow it.

Becoming sustainable.

Final thoughts

Training is a long term proposition

Perfect is the enemy of good

Iterative improvement is powerful

Amateurs discuss Tactics - Professionals discuss Logistics

Thanks for your time !

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