Did it do the thing?

Measuring training impact in the Government

The Government does not have a good way to **measure training impact**.

Every year public servants get thousands of dollars to spend on training.

How can we know that training is improving Government services?

The world is evolving and organizations need to adapt.

Our problem is rooted in DND's need to have a **data literate workforce**.

The solution? More training!

Evidence based decision making requires...

Evidence

We want to capture a complete picture of the learner's experience.

Obviously, there's an app for that.

False

Our team goal is to **analyse existing data** and **prototype an app** to collect more.

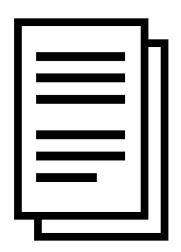
- Before, during and after training
- Frequent feedback and help
- Measure comprehension, sentiment and job tasks
- Integrated with training
- Lifelong learning

The journey

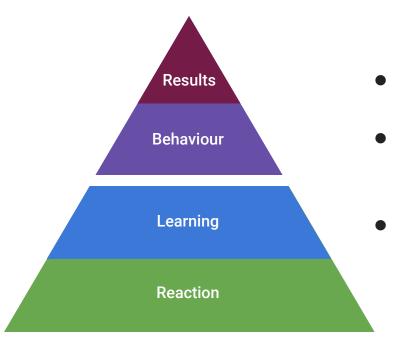
- Define evaluation framework
- Analyse DND training data
- Prototype application
- User research

Our framework

- A definition of data literacy
- Three defined user types
- Competencies & proficiency levels
- Foundations in education research



Evaluation interactions are...



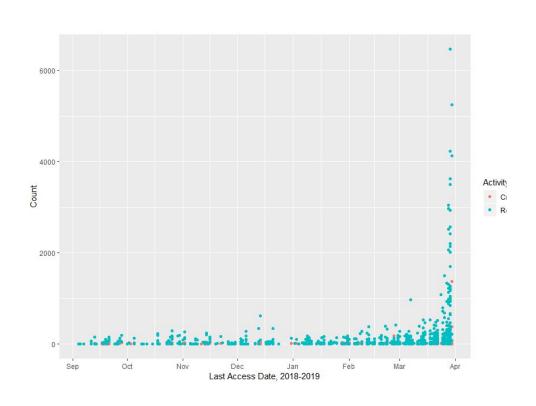
Anchored in principles of adult learning

Use a systems approach to design a goal-based evaluation model

 Measured against a competency dictionary to gauge proficiency level

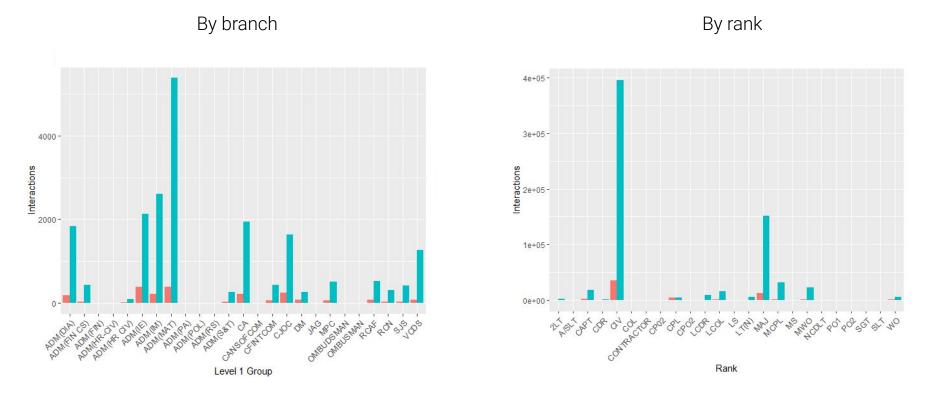
Data analysis

User activity



139,767 viewed or refreshed11,189 created or edited

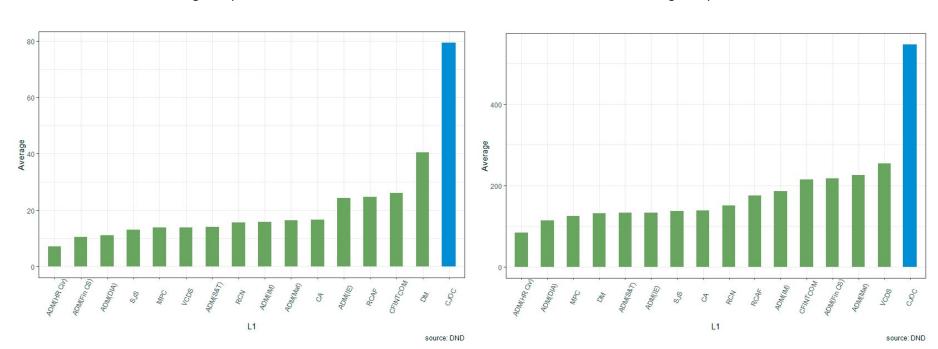
Who's using the software



Branch activity (after training)



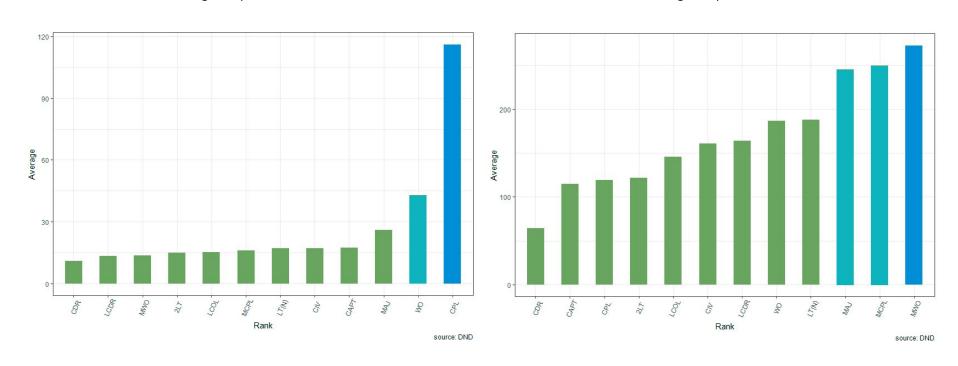
Average reports viewed



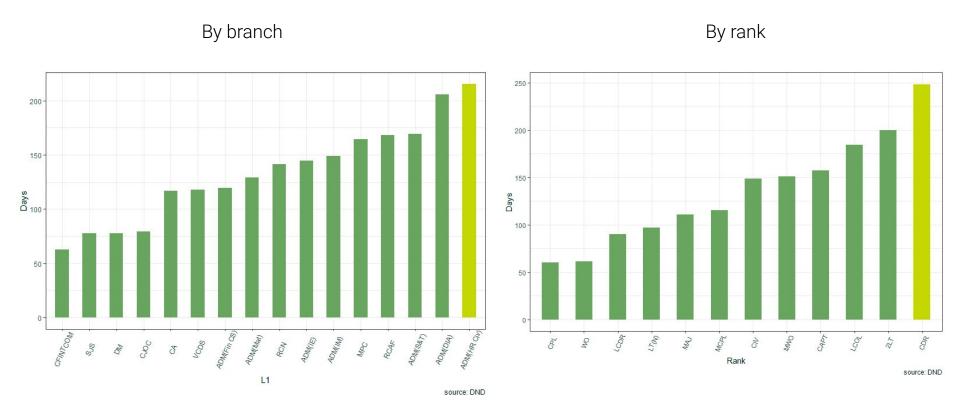
Rank activity (after training)

Average reports created

Average reports viewed



Days since last use (after training)



The app (for that)

- Interactive
- Real-time evaluation and feedback
- Identify skills and gaps
- Collect and analyse data
- Visualize progress
- Topic agnostic





Collect and clean data Question 7 (of 9)

What should you do **before analyzing** this data?

```
"Name", "Age", "Start Date"
"J.Doe", "42", "1987-04-30"
"Xian, S.", "27.5", "31/03/2017"
"Francis Murdoch", "57", "June 5, 1996"
```

Select all that apply:

- ☐ Convert to appropriate data types
- Determine the allowed date formats Lookup the missing first names Sort the data

Answer

Ask a question

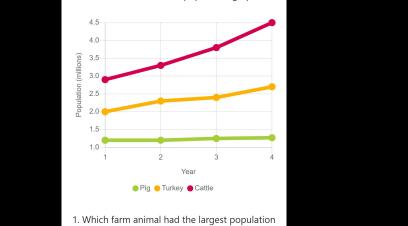
Go to ▼





Analyze data Question 3 (of 5)



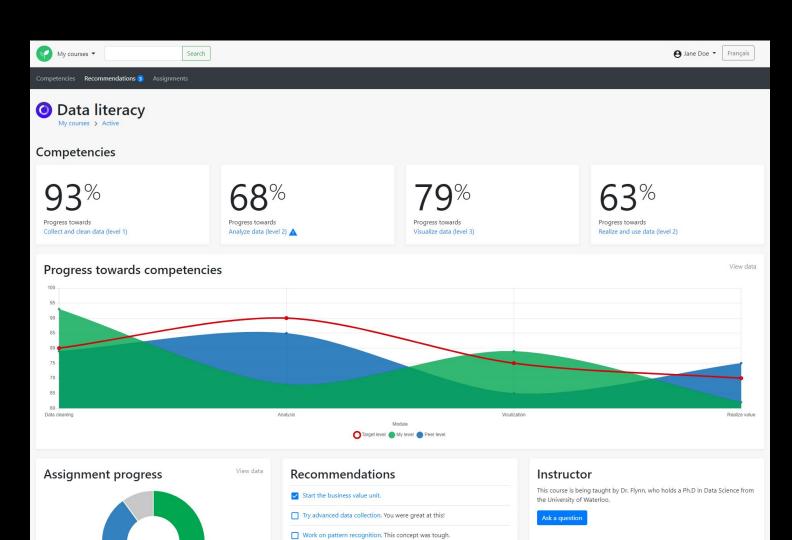


 \equiv

increase? Cattle

Turkey Pig

- 2. What can you infer about the number of pig farms over the years?



What's next?