

TDU

Introduction to R

Day 4



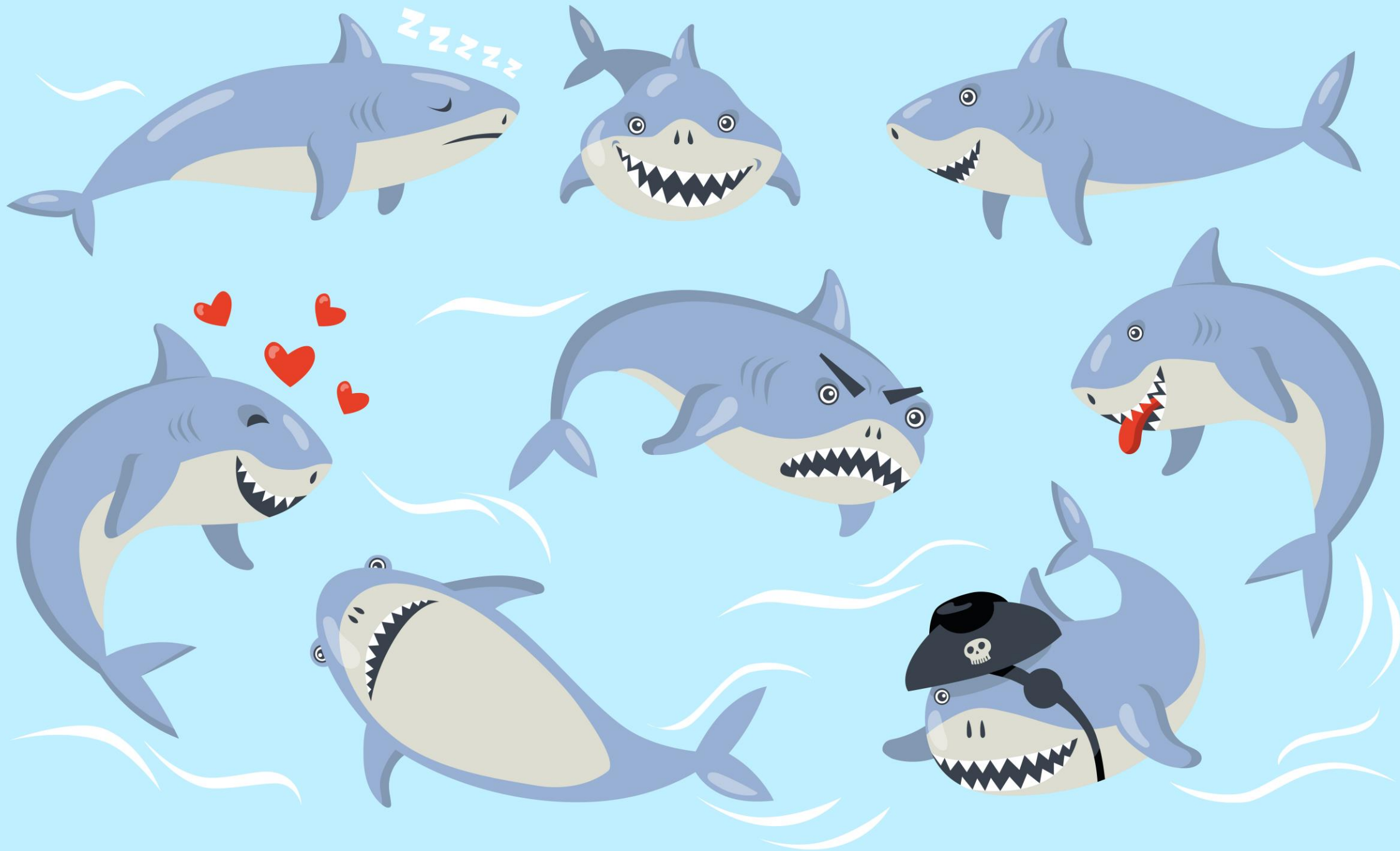
Public Health
Agency of Canada

Agence de la santé
publique du Canada

Canada

Today's Overview

1. Check-in and debrief of exercise 3
2. Jeopardy
3. More demos!
4. Panel discussion / Q&A
5. Reflection and self-assessment
6. Course wrap-up



What we heard



Exercise Debrief

Exercise 3:

Asthma and administrative data joins

- Clean and process data
- Append and merge the datasets
- Apply an administrative case definition algorithm
- Analyse and visualise the data
- Build an automated report in R markdown

1. What was your favorite function or component of this activity?
2. Did anything surprise you? Did you do anything differently?
3. Do you foresee using any parts of this activity in your workplace? How?

A background image showing two women sitting at a desk, looking at a laptop. The woman on the right is smiling. The image is darkened with a blue overlay. A large blue wave shape is at the bottom right.

Test your knowledge

R Jeopardy!



Please return by:

10:20 Pacific / 11:20 Mountain / 12:20 Central / 13:20 Eastern / 14:20 Atlantic / 14:50 NFLD

A background image showing two women sitting at a desk, looking at a laptop. The woman on the right is smiling. The image is overlaid with a dark blue semi-transparent filter. A bright blue curved shape is at the bottom right.

SME Demos



Image by wirestock on freepik

Please return by:

- **11:20 Pacific**
- **12:20 Mountain**
- **13:20 Central**
- **14:20 Eastern**
- **15:20 Atlantic**
- **16:50 NFLD**

A background image showing two women in a professional setting, likely a studio or office. One woman is pointing at a screen while the other looks on. The image is darkened with a blue overlay. A large, bright blue curved shape is in the bottom right corner.

INSIDE THE ANALYST'S STUDIO

Expert Panel

Audience Q/A

Please submit your questions
(panel discussion Q&A tab):

www.slido.com

#IntroR2025



A background image showing two women, one with long dark hair and one with curly dark hair, both smiling and looking at a tablet computer. They are in a room with bookshelves in the background. The image is overlaid with a dark blue semi-transparent layer.

Reflection

Pearls of Wisdom

Pearls of Wisdom



Now that the TDU's Introduction to R for Public Health Investigations course is drawing to a close, take a moment to reflect and:



Identify one thing that you found easy



Identify one thing you found surprising



List one piece of advice you would give to a friend who is brand new to R



Name one thing that you can see yourself using in your work after the course ends

A background image showing two women sitting at a table, looking at a laptop screen. The woman on the right is smiling. The image is darkened with a blue overlay. A bright blue curved shape is in the bottom right corner.

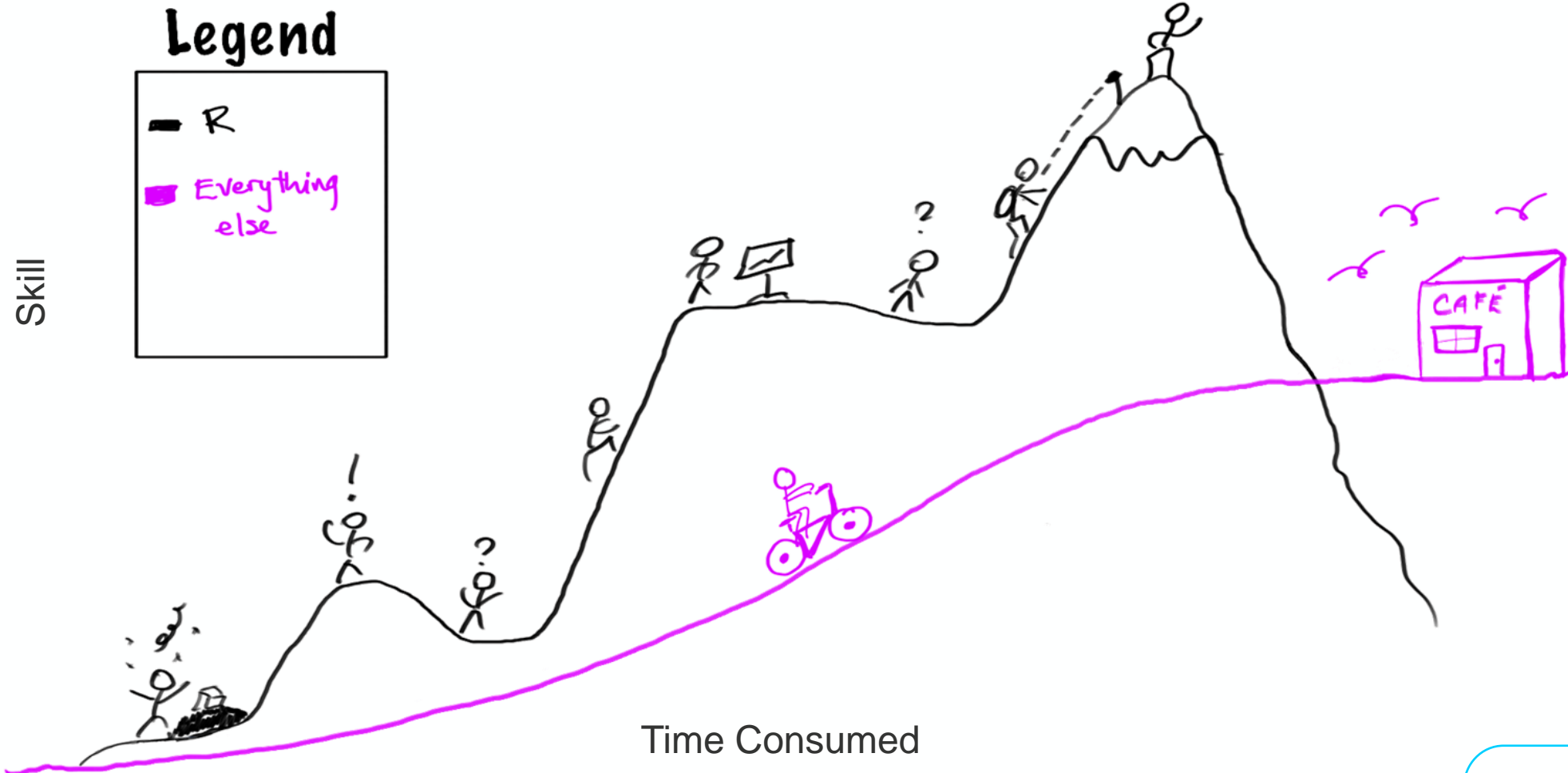
Post-Course Self-Assessment

A background image showing two women sitting at a table in a library, looking at a tablet together. The image is darkened with a blue overlay. A bright blue curved shape is at the bottom right.

Wrap-up

Learning Curve of Statistical Software

Revisit the stamp tool to show where on the curve of R-learning you feel you are now!



If statistics programs/languages were cars...








The Map



Course Learning Objectives from Day 1:

- Learners will be able to (in R):

-  • Carry out data cleaning and processing, and descriptive epidemiological analyses (including commonly used data visualizations);
-  • Create automated data products (e.g., epidemiologic summaries);
-  • Design and carry out a data collation plan that is consistent with proposed analysis plan;
-  • Explain when it is most appropriate to program analyses and automates tasks using R;
-  • Find and appraise possible solutions to R programming challenges



Questions?

Comments?



Wrap-up day 4



Please complete the course evaluation

www.slido.com

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**We wish you good luck, wherever your
R learning voyage takes you next!**

