









# Reference question:

Is there a way we might be able to find out how many USA or World patents have been filed by Kelowna companies since 1950, by company, by year?

## Response:

Maybe?
(Followed by many clarifying questions and discussions.)





#### **Related work**

Regions

Annual day-long workshops

Recent History of
Occupational Structure
and Regional Economic
Strategy in
Non-Metropolitan

Occupations 1881-1921

Wages 1911-1921

Newspaper text analysis 1911-1921





#### **Solution**

## Hire an undergraduate research assistant to

- Search for patents using openly available databases
- Organize into a single dataset (clean, standardize, sort)
- Conduct analysis and visualize the data
- Research grant funded and campus work-study program

### **Expansion**

- All of Okanagan region = 17 communities
- Back to beginning of settlement (or as far as we could get)
- To end of 2021





#### Librarian role

- Determine actual information need and scope the project
- Recruit, hire, onboard, train, manage students
- Work Study funding application & coordination
- Liaise with researchers about data gathered and further needs





#### Student recruitment

- Three postings: August 2020, April 2021, December 2021
- Fully remote, but must reside in Canada
- Qualifications
  - Completed first year (with first-year English completed)
  - Ability to: learn Excel, conduct searching, track and organize work, communicate, self-direct and balance multiple priorities
- Surprisingly good response first two postings
- Surprisingly few applications last posting





# Part 1 Sept 2020 – April 2021

- Gather patents
- Create dataset



# Part 2 June-Aug

2021

- Clean data
- Expanded communities
- Visualizations 1

# Part 3 Sept 2021 – Apr 2022

- Coding (CPCs, NAICS)
- Update dataset to end 2021
- Visualizations 2

# **Training & professional development**

- Introduction to patents
- How patents are published
- The different databases and searching
- Data publishing overview
- PD required by Work Study program
  - Students chose Python, Tableau, Git & Git Hub, Excel
  - Faculty research group socials

























