

Analyzing Canada's Quality of Life Framework Through Power BI

A Comprehensive Dashboard Report

GROUP 3

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Canada's Quality of Life Framework



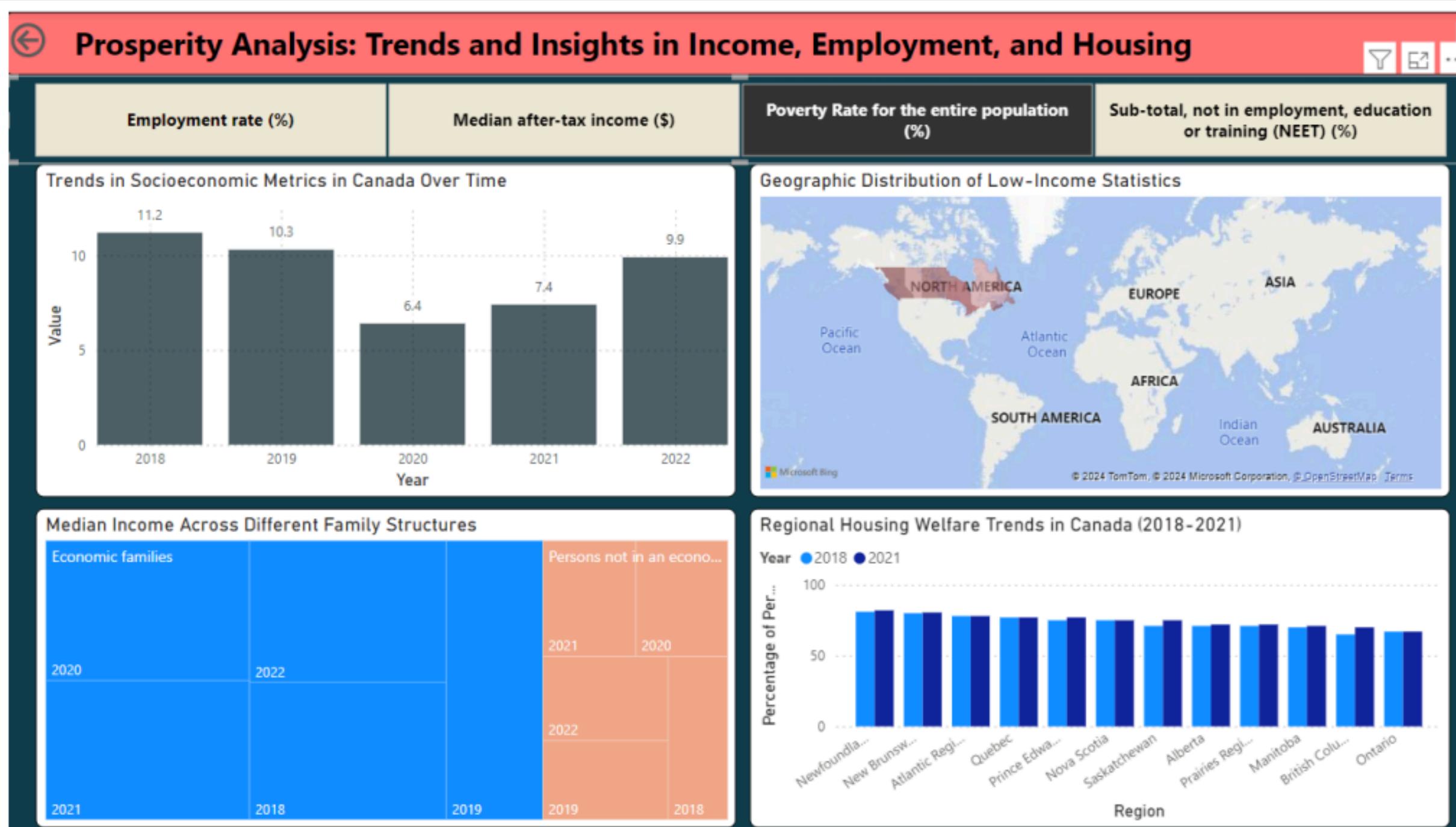
Comprehensive Initiative:

- Aims to measure and enhance the wellbeing of Canadians.

Five Critical Domains:

- **Prosperity:** Economic well-being and financial stability.
- **Health:** Physical and mental health indicators.
- **Society:** Social connections, education, and community engagement.
- **Environment:** Natural resources, pollution, and conservation.
- **Good Governance:** Democratic processes, justice, and public services.

Insights on Key Prosperity Metrics in Canada



Stable Employment Rates - Employment rates consistently between 82-85% over the past four years.

Income Trends - Median after-tax income rose from 69K (2018-2019) to 74K (2020), then dipped to 71K (2022).

Poverty Rate Fluctuations - Decreased from 11.2% (2018) to 6.4% (2020), then increased to 9.9% (2022).

Youth Engagement (NEET) - NEET percentage stable around 11-12%, peaking at 14% during the pandemic.

Regional Housing Welfare - Improvement in support levels in regions like Newfoundland, Nova Scotia, and Alberta from 2018 to 2021.

Health Insights from the Report

Life Expectancy:

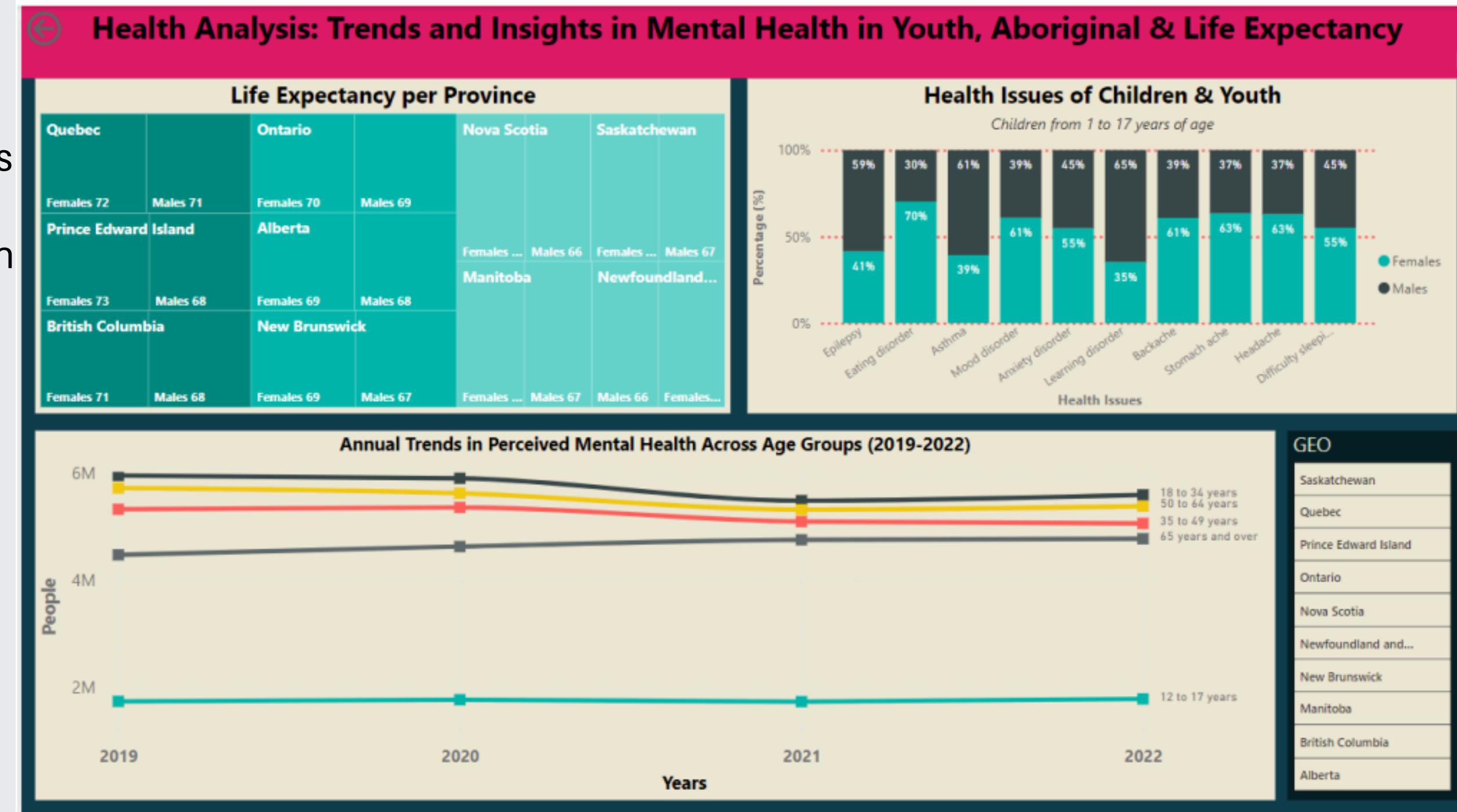
- Females live longer than males across provinces (e.g., PEI: Females 73 years, Males 68 years).
- Highlights need for gender-specific health policies.

Child & Youth Health Issues:

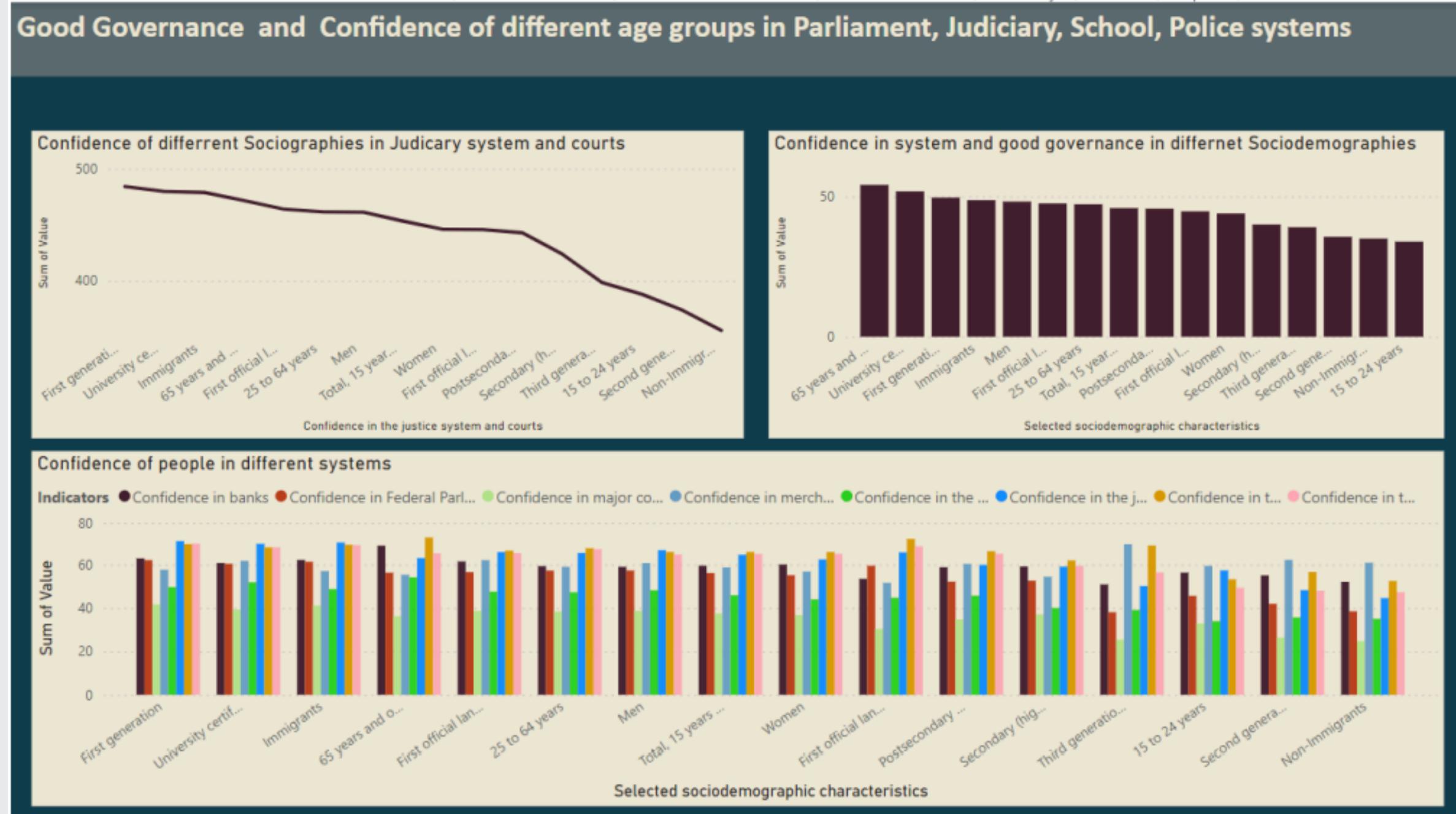
- 61% of females report backaches vs. 39% of males.
- Indicates need for tailored health interventions.

Perceived Mental Health (2019-2022):

- 18-34 age group reports higher mental health status than other age groups.
- Stresses importance of age-specific mental health resources.



Public Confidence in Governance and Institutions



Judiciary System Decline - Decreasing confidence among first-generation individuals, university-certified people, immigrants, and younger demographics.

Uniform Confidence in Governance - Slight variations among seniors, university graduates, and immigrants.

Confidence Across Systems - Varies significantly across banks, federal parliament, major companies, merchants, judiciary, police, and school system.

Sociodemographic Insights - Identifies groups with higher or lower trust in specific institutions.

Policy Implications - Data provides valuable insights for targeted interventions and reforms to boost public confidence..

Environmental Dashboard Insights

Total Emissions

- 709K overall, with 114K from households and 595K from industries.

Trend Analysis

- Line chart shows greenhouse gas emissions from 2017 to 2021, noting a recent decline.

Sector Contributions

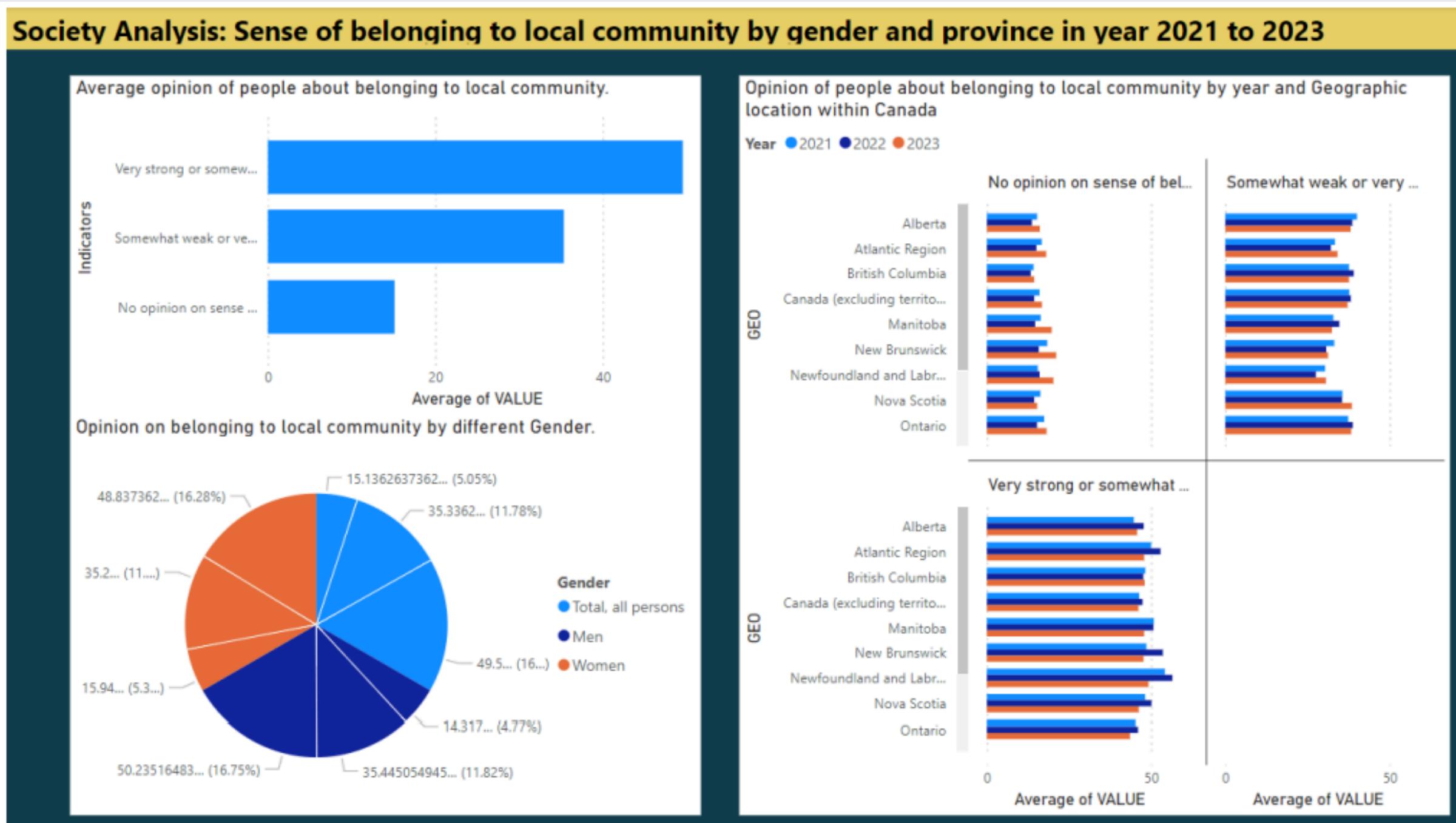
- Donut chart: 82.91% from industries and 17.09% from households.

Regional Analysis

- Filter available to view emissions by specific provinces.



Society Analysis: Sense of Belonging to Society



General Sentiment - Majority feel very strong or somewhat strong belonging., Followed by somewhat weak or very weak feelings. Small portion have no opinion.

Gender Breakdown - Pie chart shows sentiments for men, women, and the total population.

Provincial Comparison - Bar charts display opinions across provinces and years.
- Categories: No opinion, somewhat weak or very weak, very strong or somewhat strong.

Overall Trend - General trend of strong sense of belonging.

CHALLENGES FACED

Data Accessibility - Navigating complex API structures and managing request limits.

Data Cleaning - Handling missing values and ensuring data consistency.

Dashboard Design - Choosing effective visualizations and ensuring user-friendly navigation.

Collaboration - Coordinating tasks and managing diverse schedules.

Technical Issues - Resolving software glitches and connectivity problems.

Conclusion

- Insights from our Power BI dashboard aid policymakers, researchers, and the public.
- Identified areas for improvement in prosperity, health, governance, environment, and society.
- Future focus on refining data collection, integrating real-time data, and advanced analytics.
- Emphasizes data-driven decision-making for a prosperous, healthy, inclusive, and sustainable Canada.



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THANK YOU

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