

# Dynamic Dashboards: Helping Solve Complex Social Problems

Presentation / Workshop  
Immigrant Services Calgary / Gateway  
Metropolis March 24 – 26, 2022  
(22-03-24)

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# ISC / Gateway Presenters

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## Presenters

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“It is a capital mistake to theorize  
before one has data.”

Sherlock Holmes  
“A Study in Scarlet”



# Collecting and harnessing data to make better decisions and provide service excellence.

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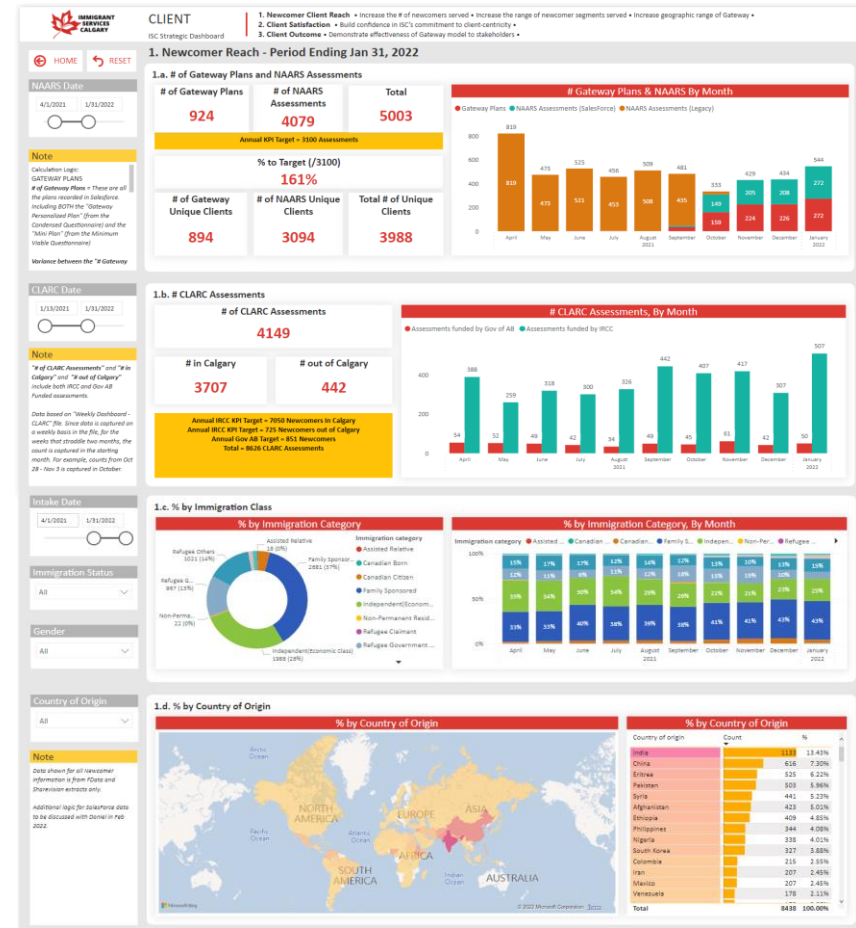
- *Data can be measured, collected, reported, and analyzed then transformed into information when it is viewed in context.*
- *Most non-profits are collecting data; however, few know how to properly extract maximum value to make decisions.*

Immigrant Services Calgary is using Business Intelligence (BI) tools to visualize data trends in order to improve service delivery and policies.



# Focus of today's presentation.

Explore the various ways in which data can empower and lead to enhanced decision-making.



Example of a PowerBI Dashboard.



# Gateway is transforming the way newcomers access the world of support services within the sector.

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## What is “Gateway”?

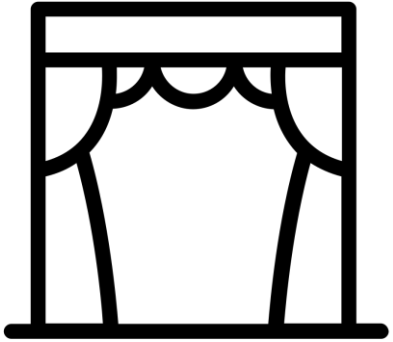
- A **collaboration** among organizations to **better serve and support newcomers** who choose to make Alberta their new home.
- It serves as a **personal guide** to help each newcomer through their unique journey, connecting them to **the right service at the right agency** every time – helping **unleash their economic, social, and civic potential**.

### **Benefits to Newcomers:**

- ✓ Makes it easier for them to reach their goals.
- ✓ Focuses on individual journeys, rather than a one-size-fits-all model.
- ✓ Reduces the need for clients to navigate confusing amounts of services, attend unnecessary appointments, or endure the frustration of repeating their story.



Setting  
the stage.



## The Vision:

- Why collect Data?
  - Transformation compass
- How we plan on using data / dashboards:
  - Transparency
  - Evidence based project / program design
  - Hypothesis formation
  - Strategic and Policy insights



# The Catalyst.



## The Catalyst

- ISC has been collecting large amounts of newcomer data.
- Many initiatives throughout the organization to better serve newcomers.
- Finley & Associates facilitated strategic planning with ISC to create a Key Performance Indicators (KPI) Framework.



**FINLEY+**  
**ASSOCIATES**  
STRATEGY. ACTION. IMPACT.





# Getting the alignment between the Board and Senior Management on “What matters”.

	KPI Cluster	Rationale for Measuring	Measure Mechanism	Frequency of Review	Measure Mechanism	Frequency of Review	Measure Mechanism	Frequency of Review
CLIENT	1. Newcomer Client Reach	<ul style="list-style-type: none"> <li>Increase the number of newcomers served</li> <li>Increase the range of newcomer segments served</li> <li>&lt;over time&gt; increase geographic range of Gateway</li> </ul>	a) # Gateway Plans	Monthly	<ul style="list-style-type: none"> <li>c) # Referrals to Gateway from Partners</li> <li>d) Gateway Partner Feedback Survey</li> <li>a) Gateway service awareness (i.e. incoming requests to join Gateway)</li> <li>b) # Gateway Community Partners</li> <li>c) # Earned media mentions</li> <li>a) Employee Engagement Survey (Team interaction; Manager effectiveness; Leadership confidence; Resources / Technology to do your job; Strategic Alignment)</li> <li>b) Employee Retention (Turnover rate by:                             <ul style="list-style-type: none"> <li>- funding reduction</li> <li>- voluntarily left</li> <li>- exit with cause</li> <li>- exit without cause)</li> </ul> </li> </ul>	Monthly	<ul style="list-style-type: none"> <li>Strategic Alignment and Budget report associated with Budget</li> <li>Finance</li> <li>Account to Budget</li> <li>Program (slippage) let e</li> <li>budgets</li> <li>Mix (IRCC grants; by individual)</li> </ul>	Monthly
			b) # CLARC Assessments	Monthly		Annual		
			c) % by Immigration Class (vs. AB stats)	Quarterly		Quarterly		
			d) % by Country of Origin (vs. AB stats)	Quarterly		Quarterly		
			e) # Communities Served (scaling)	Annual		Quarterly		
	2. Client Satisfaction	<ul style="list-style-type: none"> <li>Build confidence in ISC's commitment to client-centricity</li> </ul>	a) Gateway Client Satisfaction Surveys (post service Net Promoter Score - NPS)	Per Service	Quarterly	Monthly		
			b) Language Assessment Client Surveys (post service NPS)	Per Service	Quarterly	Quarterly		
			c) ITC Customer Satisfaction NPS	Per Service	Quarterly	Quarterly		
	3. Client Outcomes	<ul style="list-style-type: none"> <li>Demonstrate effectiveness of Gateway model to stakeholders</li> </ul>	a) <Client outcomes (IRCC) – Usman's work>	Quarterly	Bi-annual	Annual		
			b) <Program Efficacy> Client follow-up rates (new)	Quarterly	Annual			
STAKEHOLDERS	4. Gateway Partner Engagement	<ul style="list-style-type: none"> <li>Demonstrate confidence in Gateway Model and ISC Leadership</li> </ul>	a) # Gateway Partners (referral/ PSP; funnel progress)	Quarterly	Quarterly	Annual		
			b) # Gateway referrals to Partners	Monthly	Quarterly	Quarterly		
					in a changing sector (need to be	Unrestricted and restricted	Quarterly	

KPI Framework is broken into the following sections:

- Client
- Stakeholders
- Operations
- Finance

Each with various KPI clusters, and the rationale for measuring.

Each KPI cluster was then further broken down into measure mechanisms.



# The Existing Gap.

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## The Existing Gap:

- Data was scattered, with varying levels of maturity in data available.
- Reporting data was a very manual process. Scattered throughout different departments.



# The Opportunity.

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## The Opportunity:

- Utilize data analytics and business intelligence tools available to help ISC be more effective
  - Centralized Reporting
  - Data analysis capabilities to better understand newcomer data.



Power BI

### Objective:

Streamline /automate the process of reporting KPI Framework to the leadership team/ board by centralizing metrics in one place through the dashboard



# A way to look at data.

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Data



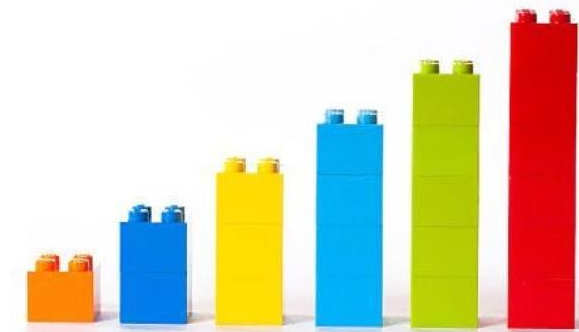
Data Sorted



Data Arranged



Presented Visually



Actionable Tools



Explained with a Story



# Getting started.

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## Phases of Dashboard Development

Roughly 3 months time.



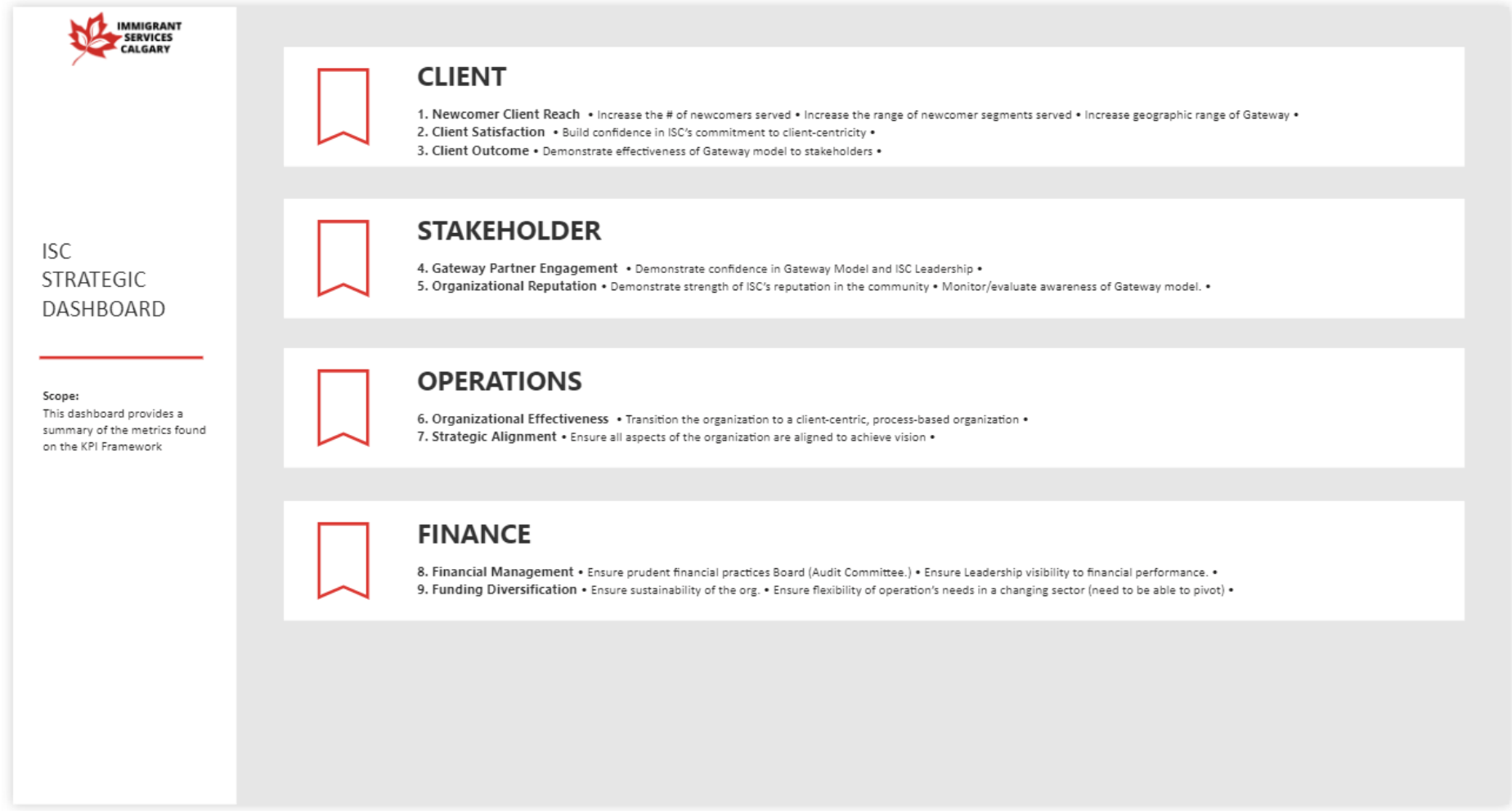
# The Result?

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## The Result?



# A Dynamic Strategic Dashboard.



The graphic shows a sidebar on the left and a main content area on the right. The sidebar contains the ISC logo, the title 'ISC STRATEGIC DASHBOARD', and a 'Scope' section. The main content area is divided into four horizontal sections: CLIENT, STAKEHOLDER, OPERATIONS, and FINANCE. Each section has a red bookmark icon and a list of strategic goals.

**IMMIGRANT SERVICES CALGARY**

ISC  
STRATEGIC  
DASHBOARD

**Scope:**  
This dashboard provides a summary of the metrics found on the KPI Framework

**CLIENT**

- 1. **Newcomer Client Reach** • Increase the # of newcomers served • Increase the range of newcomer segments served • Increase geographic range of Gateway •
- 2. **Client Satisfaction** • Build confidence in ISC's commitment to client-centricity •
- 3. **Client Outcome** • Demonstrate effectiveness of Gateway model to stakeholders •

**STAKEHOLDER**

- 4. **Gateway Partner Engagement** • Demonstrate confidence in Gateway Model and ISC Leadership •
- 5. **Organizational Reputation** • Demonstrate strength of ISC's reputation in the community • Monitor/evaluate awareness of Gateway model. •

**OPERATIONS**

- 6. **Organizational Effectiveness** • Transition the organization to a client-centric, process-based organization •
- 7. **Strategic Alignment** • Ensure all aspects of the organization are aligned to achieve vision •

**FINANCE**

- 8. **Financial Management** • Ensure prudent financial practices Board (Audit Committee.) • Ensure Leadership visibility to financial performance. •
- 9. **Funding Diversification** • Ensure sustainability of the org. • Ensure flexibility of operation's needs in a changing sector (need to be able to pivot) •



# A Dynamic Strategic Dashboard.

**immigrantservicescalgary**

**ISC STRATEGIC DASHBOARD**

Scope: This dashboard provides a summary of the metrics found on the KPI Framework

**CLIENT**

1. Newcomer Client Reach - Increase the # of newcomers served - Increase the range of newcomer segments served - Increase geographic range of Gateway -
2. Client Satisfaction - Build confidence in ISC's commitment to client-centricity -
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**STAKEHOLDER**

4. Gateway Partner Engagement - Demonstrate confidence in Gateway Model and ISC Leadership -
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**OPERATIONS**

6. Organizational Effectiveness - Transition the organization to a client-centric, process-based organization -
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8. Financial Management - Ensure prudent financial practices Board (Audit Committee) - Ensure Leadership visibility to financial performance -
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### CLIENT

1. Newcomer Client Reach - Period Ending Jan 31, 2022

1.a. # of Gateway Plans and NAARS Assessments

NAARS Date	# of Gateway Plans	# of NAARS Assessments	Total
4/3/2021	924	4079	5003
1/31/2022	894	3094	3988

Annual KPI Target - 3100 Assessments

% to Target (3100) **161%**

# of Gateway Unique Clients: 894 | # of NAARS Unique Clients: 3094 | Total # of Unique Clients: 3988

1.b. # of CLARC Assessments

CLARC Date	# of CLARC Assessments	# out of Calgary
4/3/2021	3707	442
1/31/2022	3707	442

Annual KPI Target - 3000 Newcomers in Calgary  
Annual KPI Target - 250 Newcomers out of Calgary  
Annual Goal AB Target - 355 Newcomers  
Total - 3625 CLARC Assessments

1.c. % by Immigration Class

1.d. % by Country of Origin

### STAKEHOLDER

4. Gateway Partner Engagement - Period Ending Jan 31, 2022

4.a. # of Gateway Partners (Referral & Funnel progress)

Total Partners: 35

# of Partners by Onboarding Status

Partner Onboarding Status	Count
Onboarding Status	35

4.b. # of Gateway Referrals to Partners

# of Gateway Referrals to Partners

Gateway Referrals by Partner

5. Organizational Reputation

5.a. Gateway Service Awareness

# of New Contacts by Referral By

5.b. # of Gateway Community Partners (Non-Affiliated Partners)

Total Partners: 38

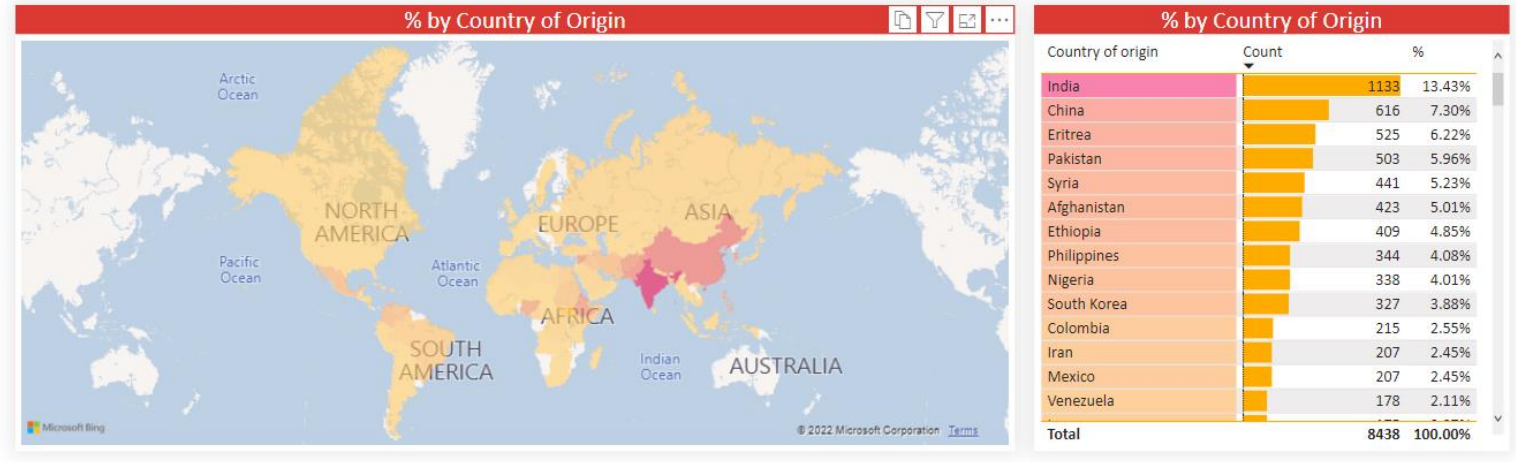
5.c. # Earned Media Mentions

Total # Media Mentions: 364

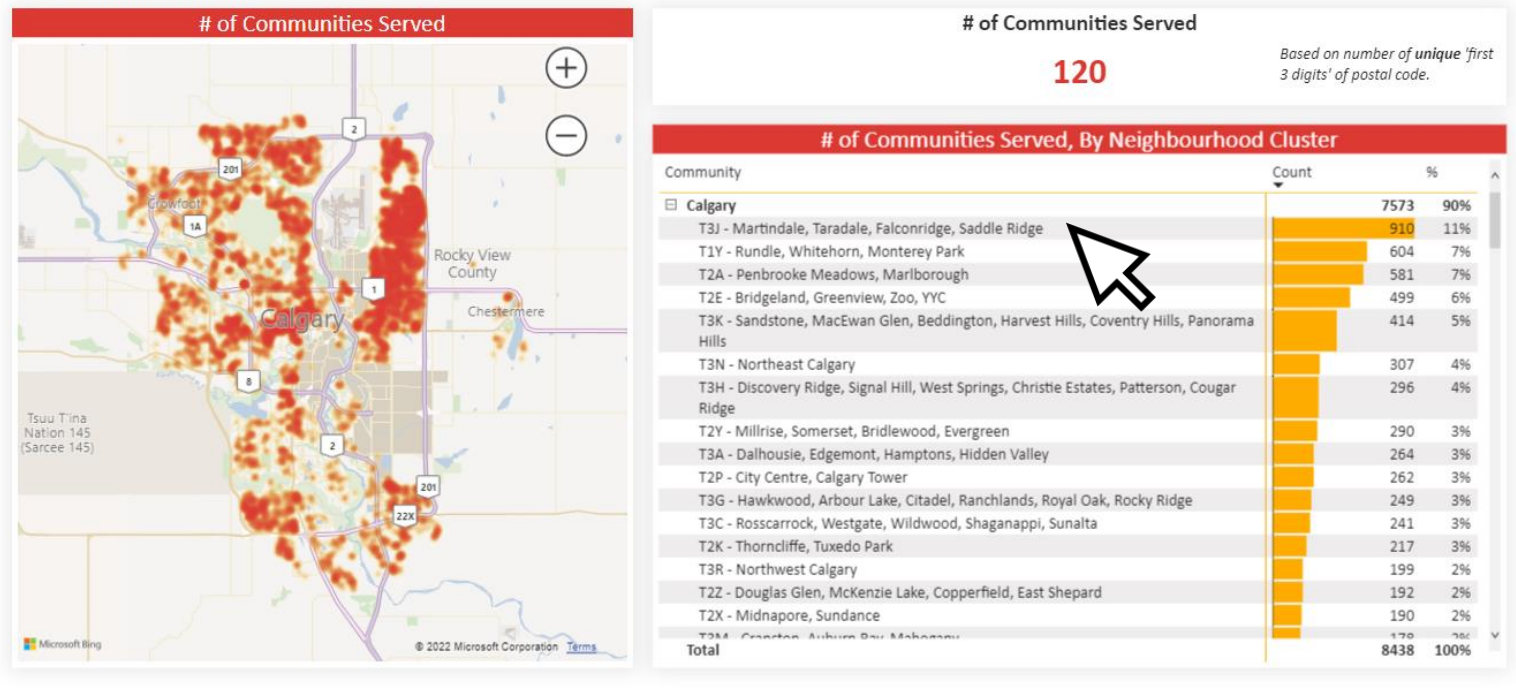
Potential Reach: 128,455,610



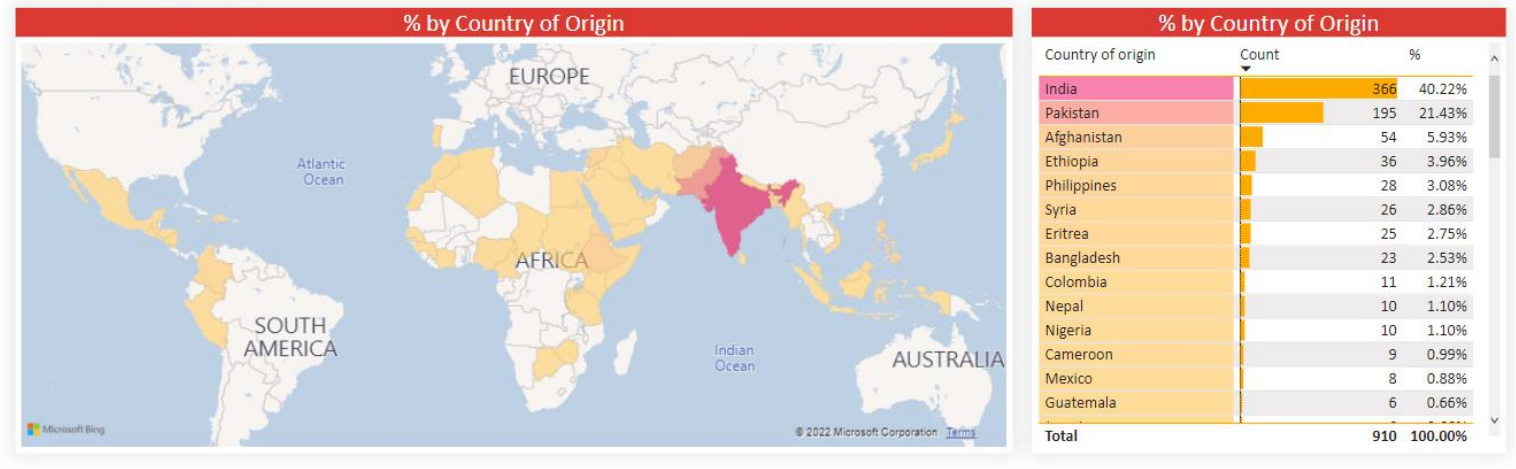
### 1.d. % by Country of Origin



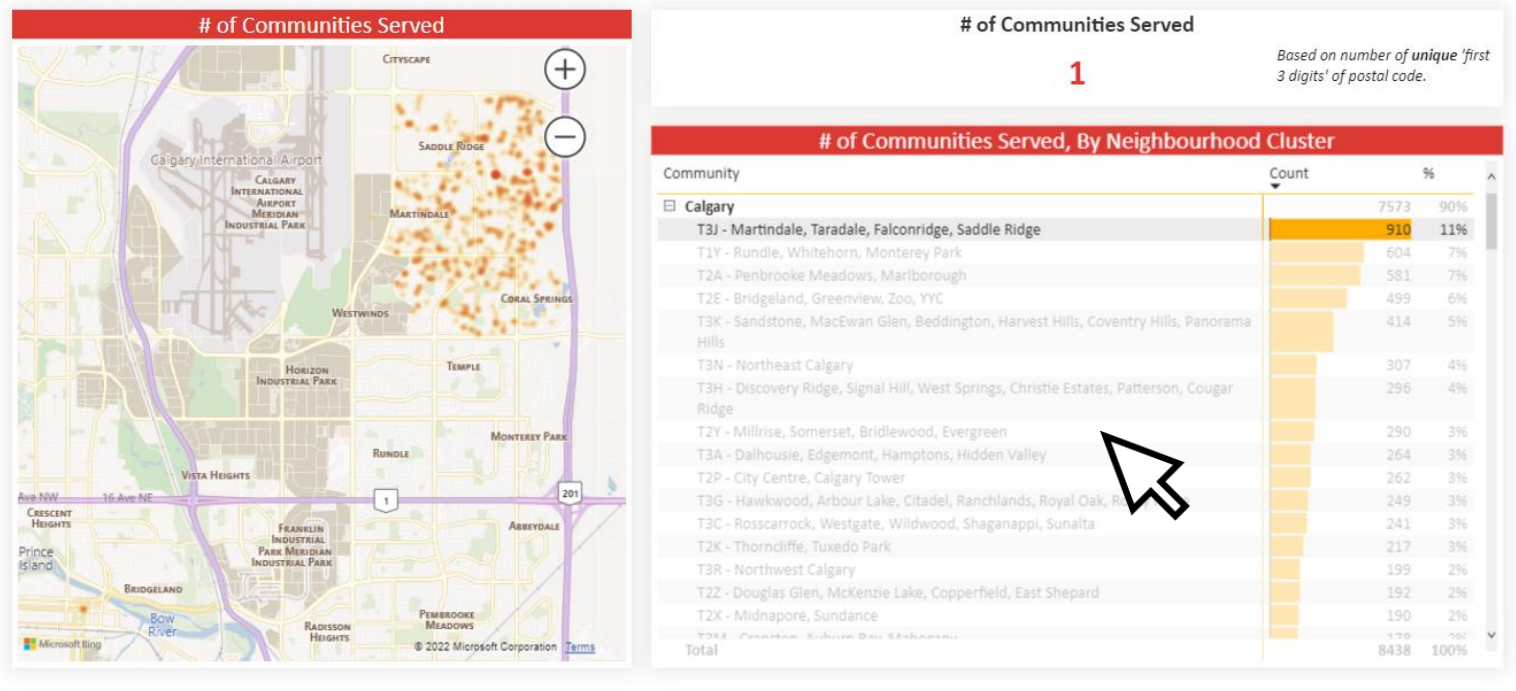
### 1.e. # of Communities Served



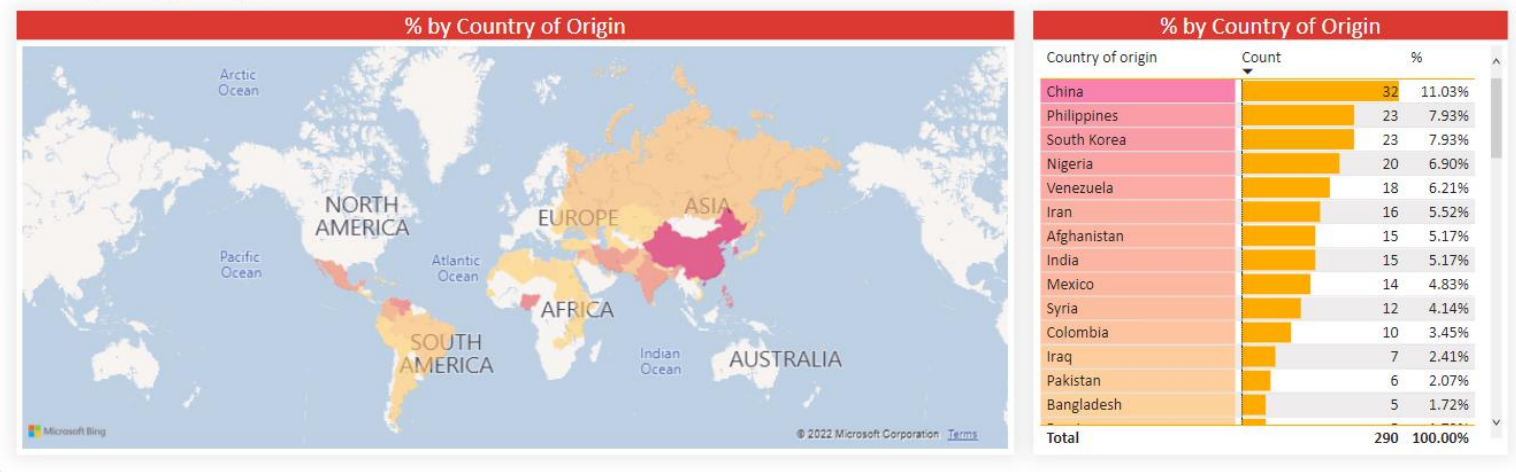
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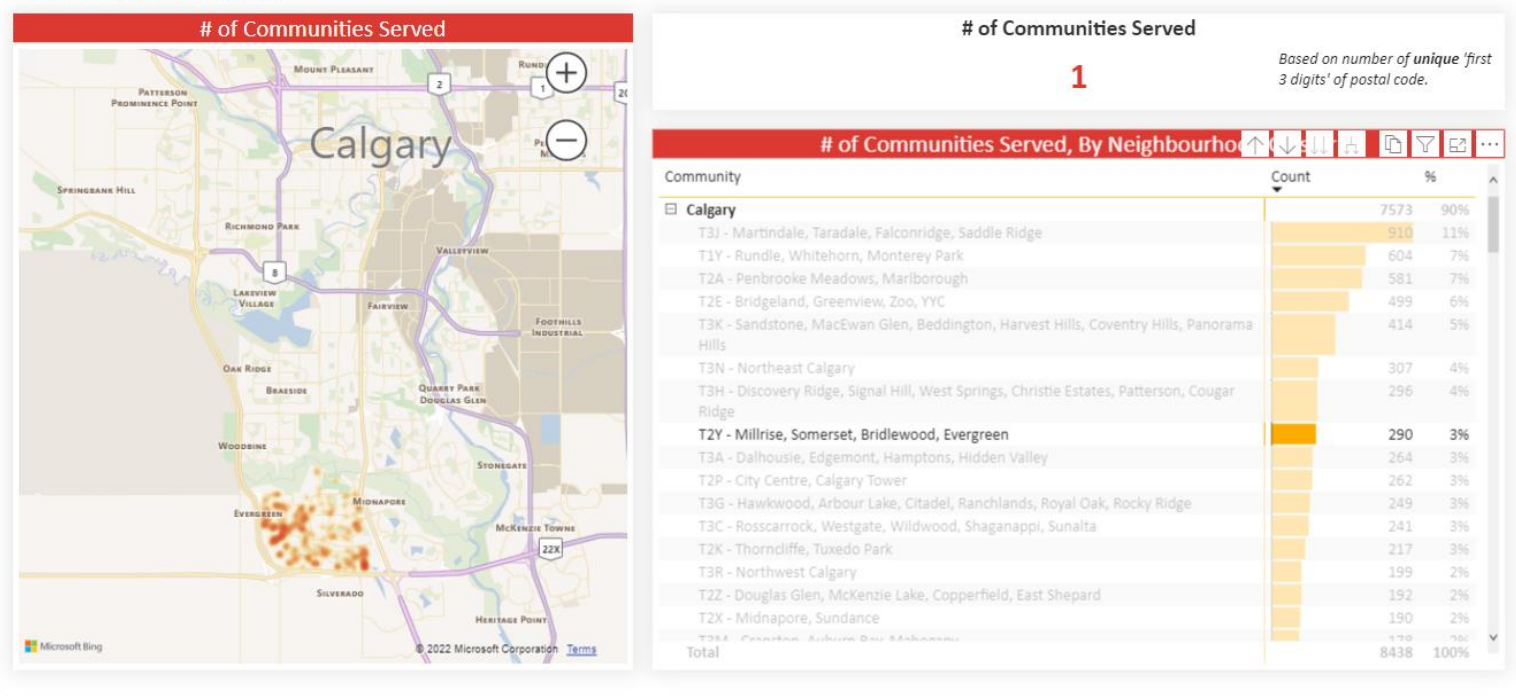
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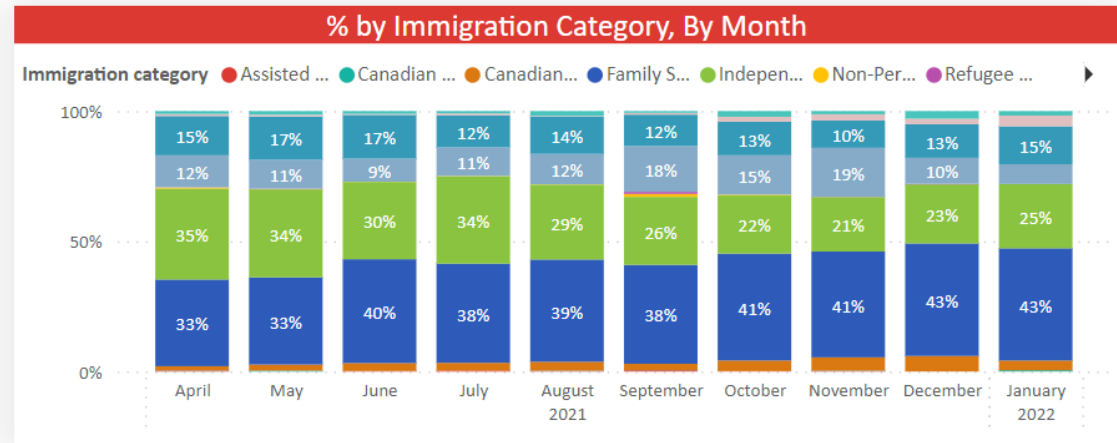
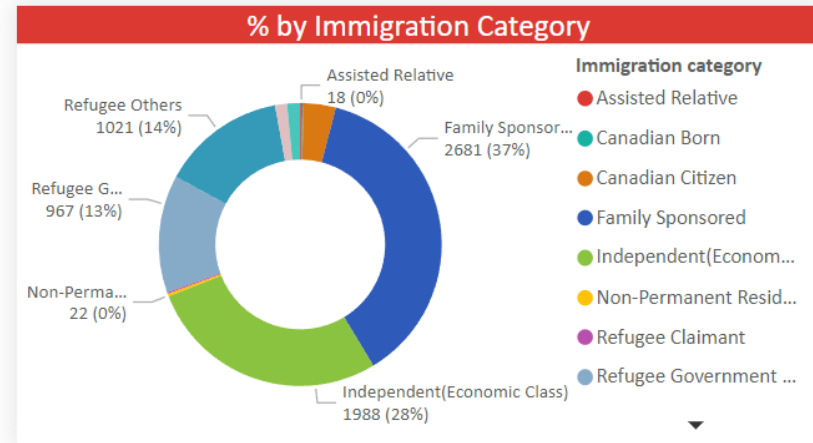
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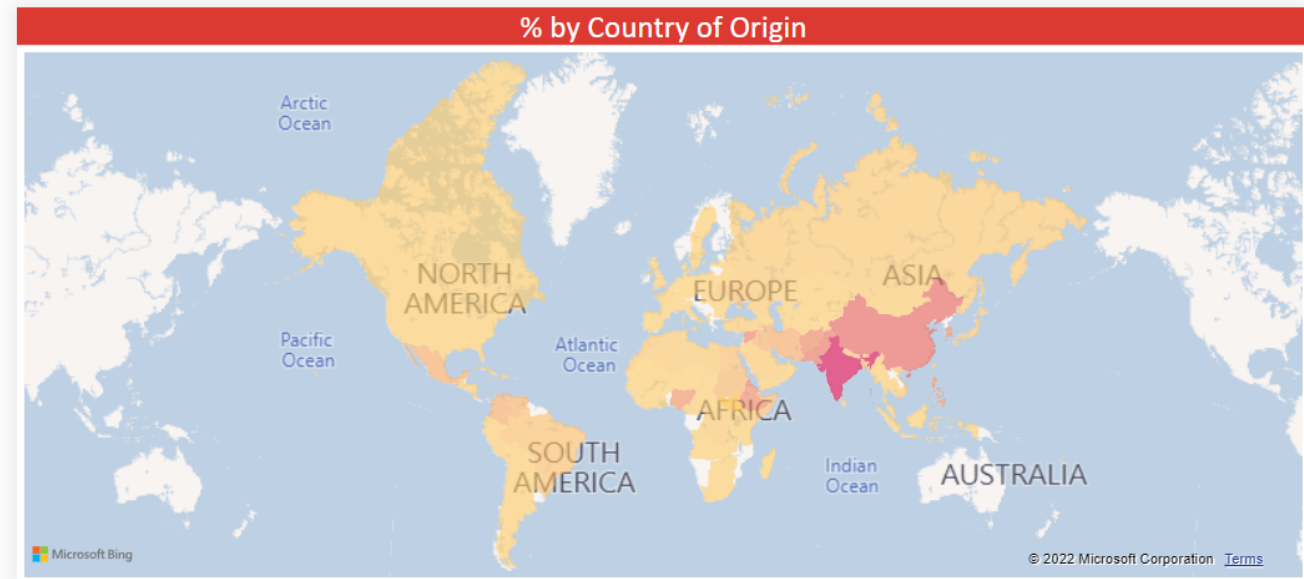
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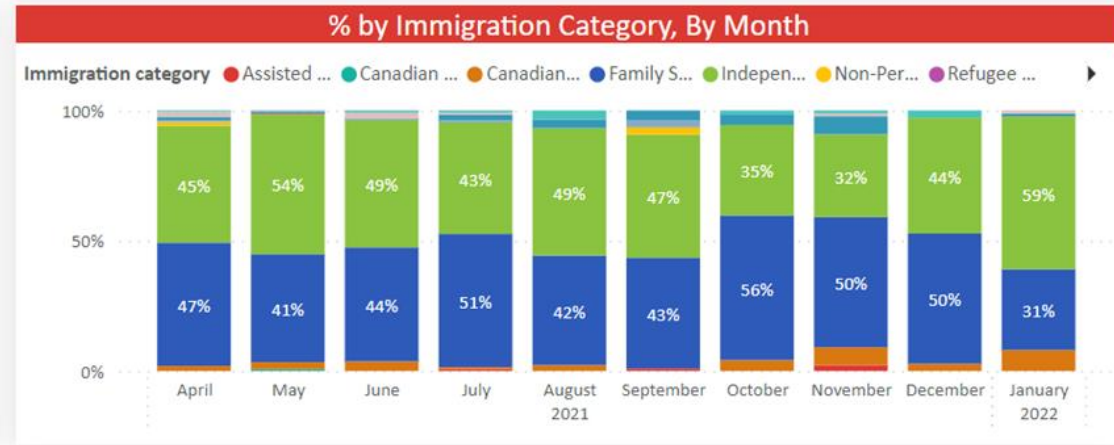
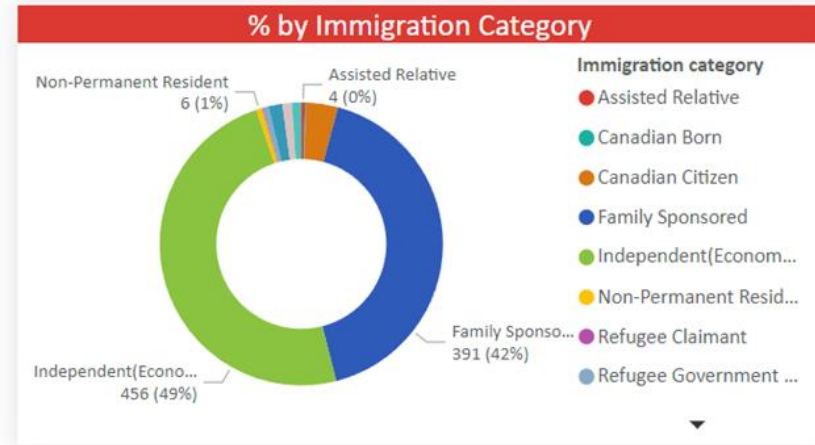


#### % by Country of Origin

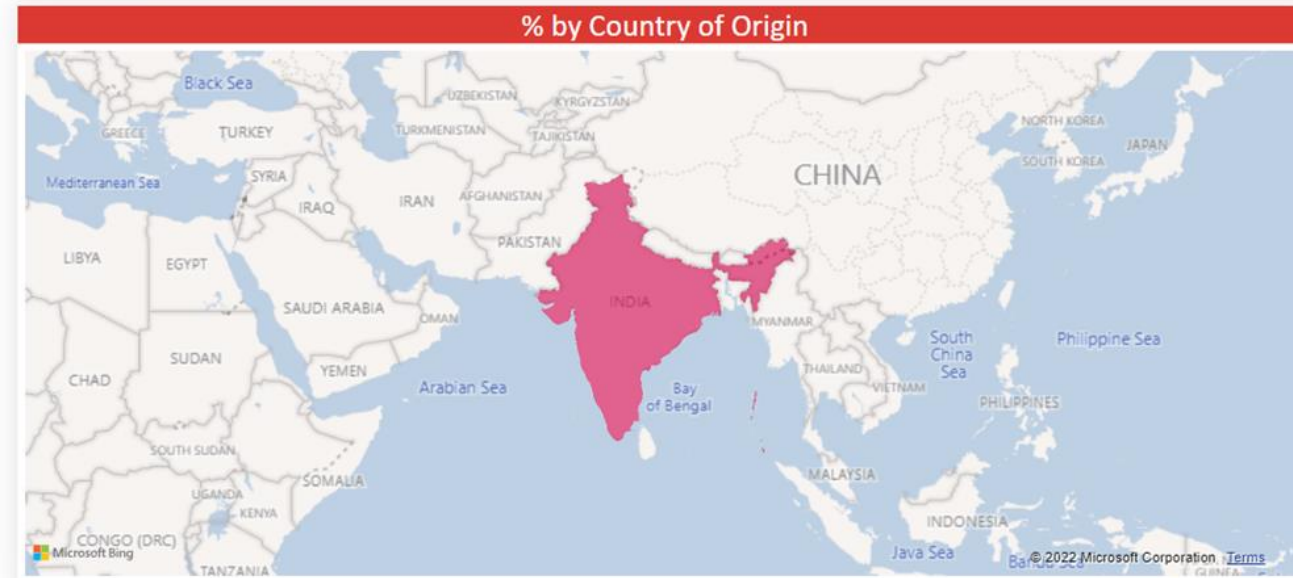
Country of origin	Count	%
India	1133	13.43%
China	616	7.30%
Eritrea	525	6.22%
Pakistan	503	5.96%
Syria	441	5.23%
Afghanistan	423	5.01%
Ethiopia	409	4.85%
Philippines	344	4.08%
Nigeria	338	4.01%
South Korea	327	3.88%
Colombia	215	2.55%
Iran	207	2.45%
Mexico	207	2.45%
Venezuela	178	2.11%
<b>Total</b>	<b>8438</b>	<b>100.00%</b>



### 1.c. % by Immigration Class



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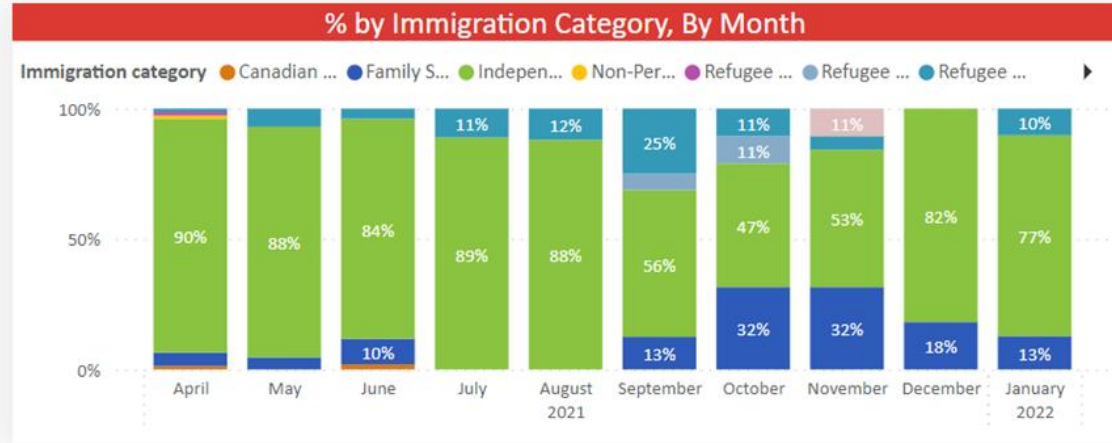
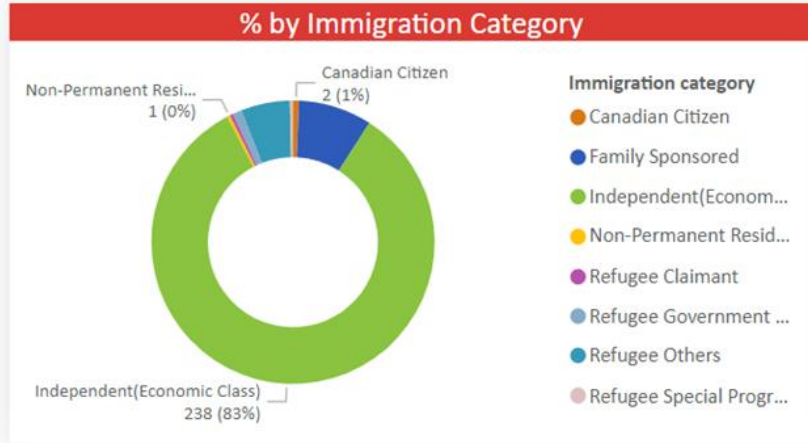


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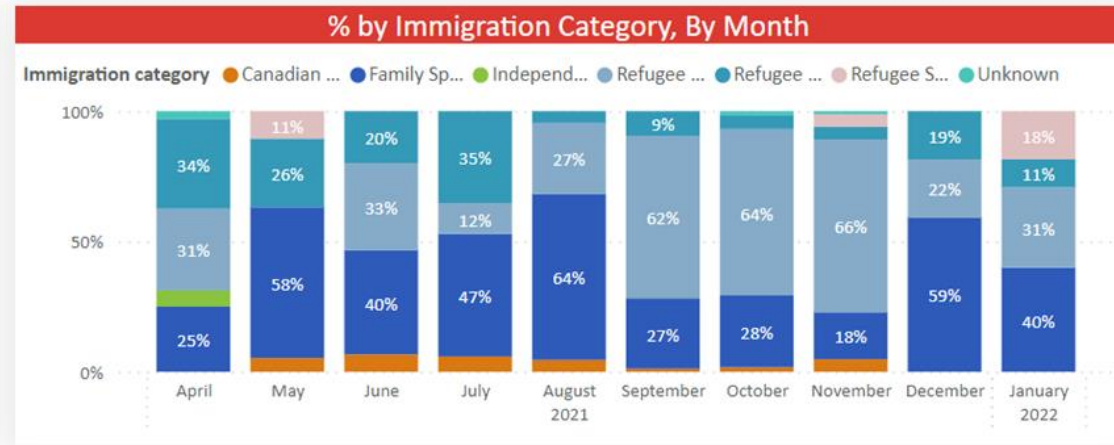
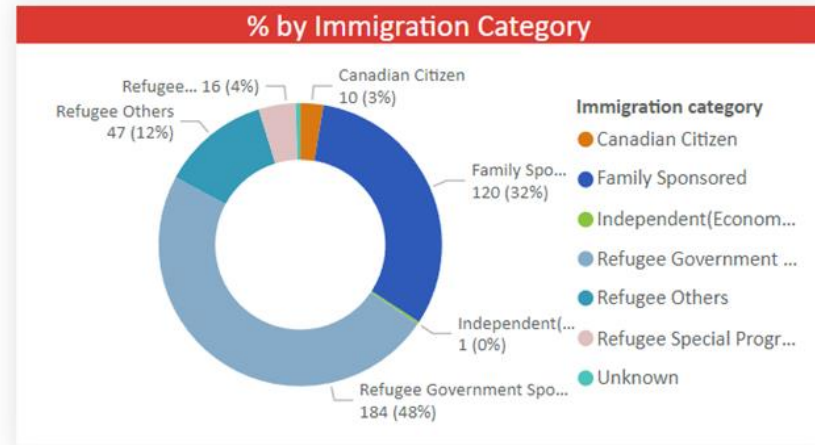


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# Excel vs. Power BI

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**Vs.**



- Great for small ad-hoc data analysis
- Easy to view data in a tabular format

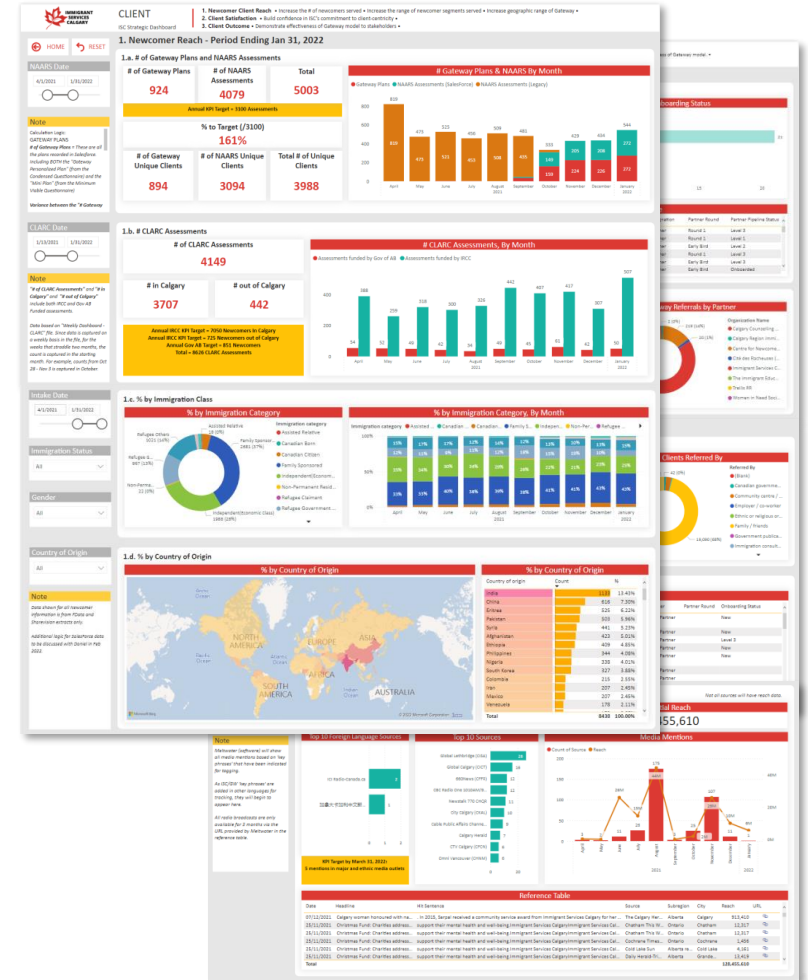
- Built for data visualization & analysis
- Automate manual data analysis processes
- Can handle large amounts of data and computations
- Create relationships between data
- Cross filtering between visuals
- Schedule automatic data refreshes





# In Summary

Client/Category	KPI Cluster	Rationale for Measuring	Measure Mechanism	Frequency of Review
CLIENT	1. Newcomer Client Reach	<ul style="list-style-type: none"> <li>Increase the number of newcomers served</li> <li>Increase the range of newcomer segments served</li> <li>&lt;cover time&gt; increase geographic range of Gateway</li> </ul>	a) # Gateway Plans	Monthly
			b) # CLARC Assessments	Monthly
			c) % by Immigration Class (vs. AB stats)	Quarterly
			d) % by Country of Origin (vs. AB stats)	Quarterly
CLIENT	2. Client Satisfaction	<ul style="list-style-type: none"> <li>Build confidence in ISC's commitment to client-centricity</li> </ul>	a) Gateway Client Satisfaction Surveys (post service Net Promoter Score - NPS)	Per Service
			b) Language Assessment Client Surveys (post service NPS)	Per Service
			c) ITC Customer Satisfaction NPS	Per Service
			d) <Client outcomes (IRCC) – Usman's work>	Quarterly
STAKEHOLDERS	3. Client Outcomes	<ul style="list-style-type: none"> <li>Demonstrate effectiveness of Gateway model to stakeholders</li> </ul>	a) # Client outcomes (IRCC) – Usman's work	Quarterly
			b) <Program Efficacy> Client follow-up rates (new)	Quarterly
			a) # Gateway Partners (referral/ PSP; funnel progress)	Quarterly
			b) # Gateway referrals to Partners	Monthly
STAKEHOLDERS	4. Gateway Partner Engagement	<ul style="list-style-type: none"> <li>Demonstrate confidence in Gateway Model and ISC Leadership</li> </ul>	a) # Gateway Partners (referral/ PSP; funnel progress)	Quarterly
			b) # Gateway referrals to Partners	Monthly
			your job; Strategic Alignment	Quarterly
			b) Employee Retention (Turnover rate by: - funding reduction - voluntarily left - exit with cause - exit without cause)	Quarterly
STAKEHOLDERS	9. Funding Diversification	<ul style="list-style-type: none"> <li>Ensure sustainability of the organization</li> <li>Ensure flexibility of operation's needs in a changing sector (need to be)</li> </ul>	a) % Funding Mix (IRCC Contract; Grants; Sponsorships (corporate); Donations (individual))	Annual
			b) % Funding Unrestricted and restricted	Quarterly

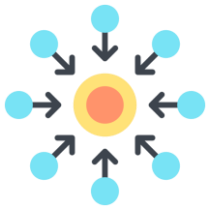


# Benefits of Strategic Dashboard

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## Objective:

Streamline /automate the process of reporting KPI Framework to the leadership team/ board by centralizing metrics in one place through the dashboard.



**Data and  
Metrics in one  
place**



**Data Driven  
Decision  
making**



**Report  
preparation  
efficiency**



**Transparency**

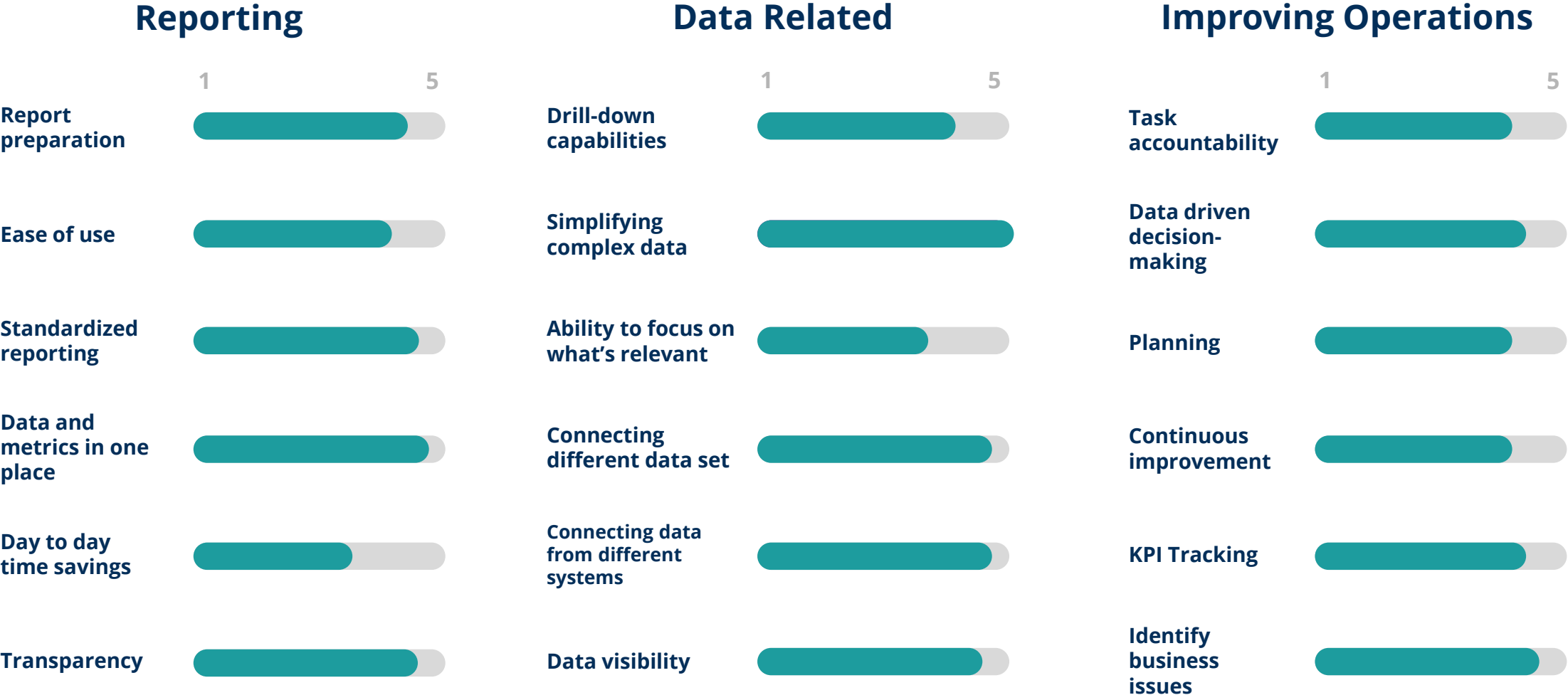


**Drill down  
capabilities**

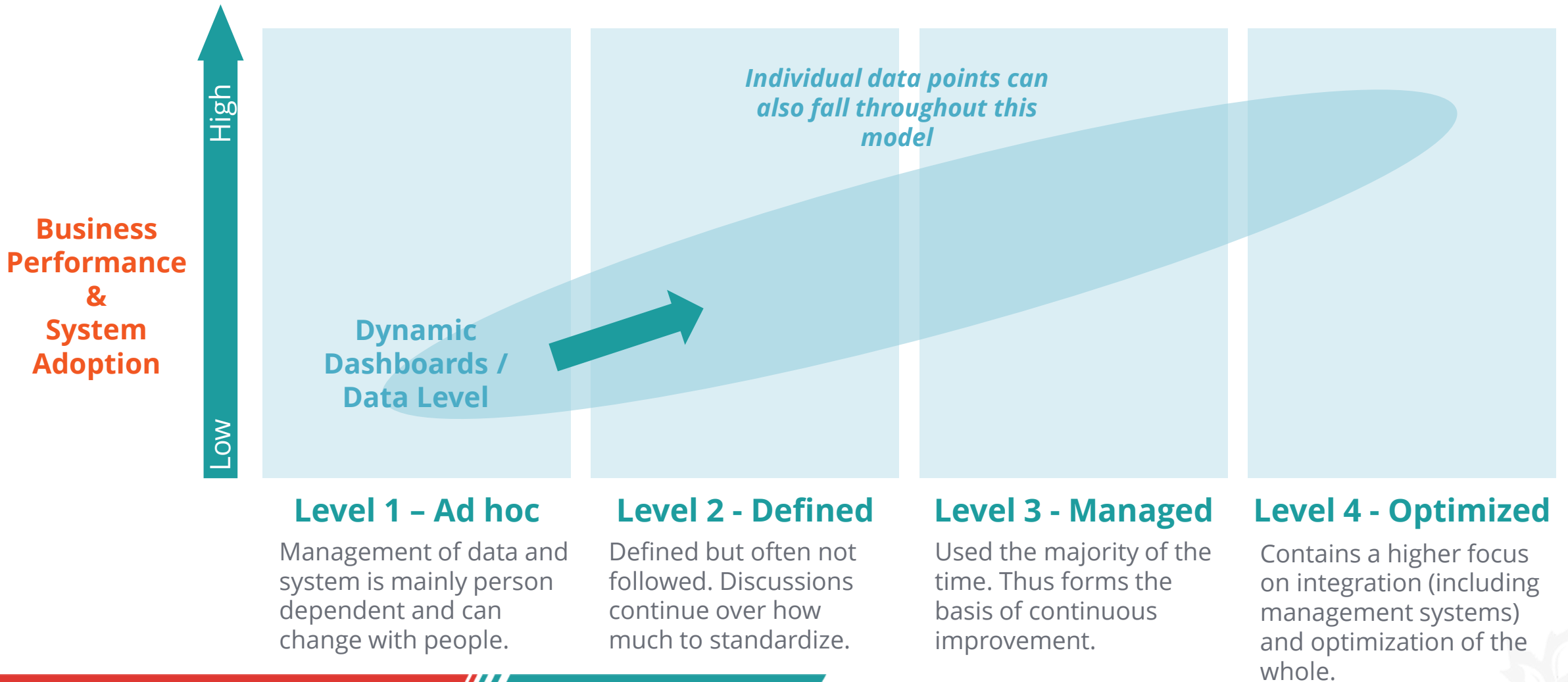


# Dynamic Dashboards – Other Benefits

## When do you know you need a dashboard?



# Data and Dashboards Maturity Model.




# We are in the Knowledge Era – Information is King.

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**Forbes**

Nov 15, 2019, 08:15am EST | 60,413 views

## Data Is The New Oil -- And That's A Good Thing

 **Kiran Bhageshpur** Forbes Councils Member  
Forbes Technology Council COUNCIL POST | Membership (Fee-Based)  
Innovation

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POST WRITTEN BY  
**Kiran Bhageshpur**

CEO at Igneous. Reinventing [unstructured data management](#).

*“Data is the new oil. It’s valuable, but if unrefined it cannot really be used. It has to be changed into gas, plastic, chemicals, etc to create a valuable entity that drives profitable activity; so must data be broken down, analyzed for it to have value.” — Clive Humby, 2006*

*“Information is the oil of the 21st century, and analytics is the combustion engine.” — Peter Sondergaard, 2011*

<https://towardsdatascience.com/is-data-really-the-new-oil-in-the-21st-century-17d014811b88>

**We are talking about existing proven tools that would advance the sophistication of your work.**



# What's coming next...

## Gateway Partner Dashboard

- Partners of Gateway get a dashboard that shows their referral data.
  - Demographic data of their clients, such as country of origin, immigration status, age, gender.
  - Performance statistics like days to follow up, which programs they have been referred to.

## ISC Client Dashboard

- Dashboard to detect internal trends and track internal KPIs and to provide internal ISC team with metrics that help them be more effective.

## Knowledge Hub Dashboard

- Dashboard for sharing the anonymized newcomer data statistics in a simple to understand and digestible format.

ISC/ Gateway is advancing data collection, analysis and utilization for sector advancement.

# Question & Answer Session

