

IOTO Goverlytic Team

Coding Challenge

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Outline

1 Overview of the Data

2 Main Observations

The GC Service Inventory dataset

- ▶ Bird's-eye-view of services provided by some departments of the Government of Canada (GC)
- ▶ Reports over three fiscal years:
 - ▶ 2016-2017, 2017-2018, and 2018-2019
- ▶ Includes:
 - ▶ Service description (name, department, etc.)
 - ▶ Number of web visits, applications, phone calls
 - ▶ Service fee, SIN used,

First Impressions

- ▶ First two years on 11 departments
- ▶ Third year expanded to 67 departments

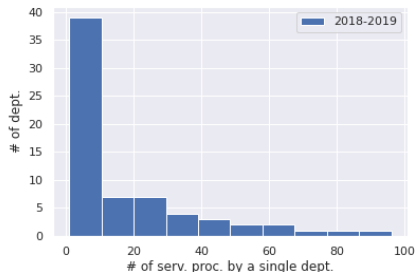
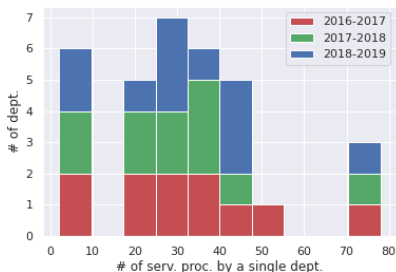


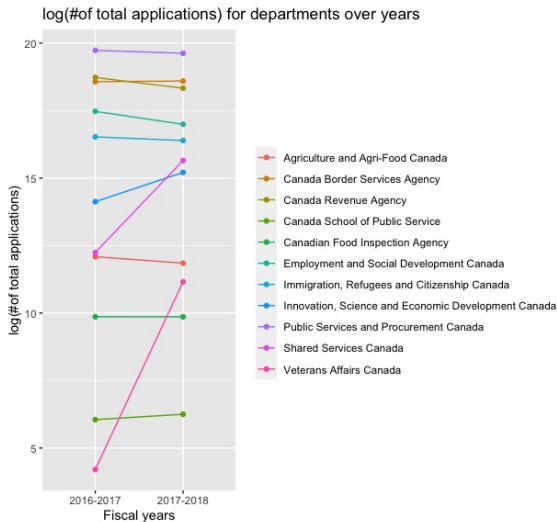
Figure: Num. of services provided per department for (left) the common 11 departments over three fiscal years, and (right) all departments during the third year.

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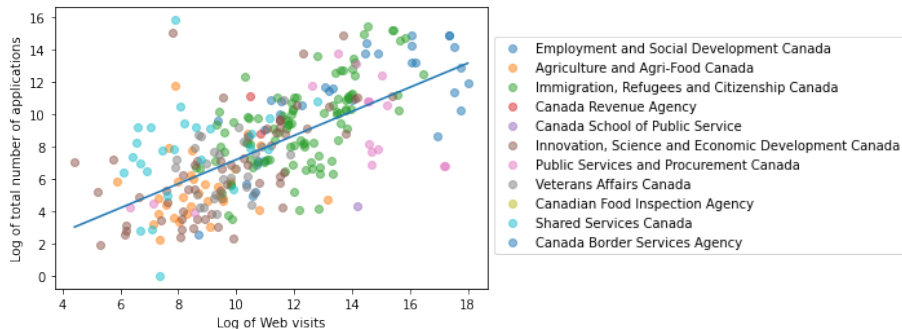
Number of applications per Fiscal Year



Plot by: Danyi Liu

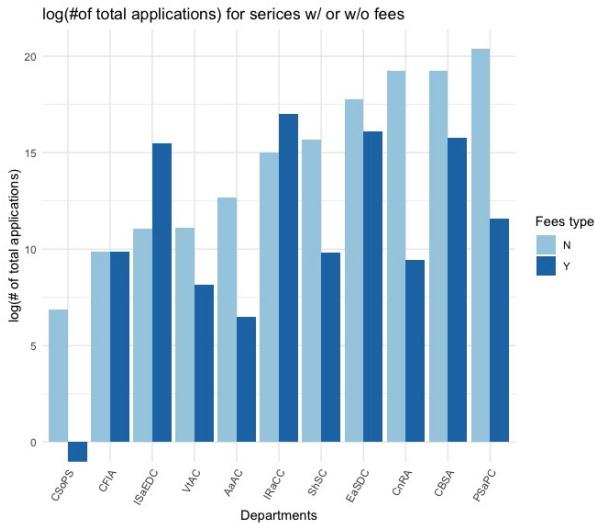
Web Visits v.s. Total Applications

Some correlation between number of applications and number of web visits.



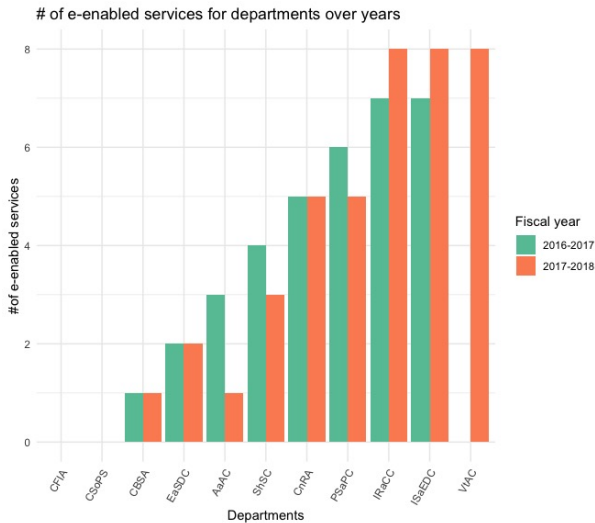
Plot by: Dana Berman

Service Fees Affecting Applications



Plot by: Danyi Liu

Electronic Enabled Services



Plot by: Danyi Liu

Summary

- ▶ Connection between web visits and applications
- ▶ Some connections between service fees and applications
- ▶ Differences between departments on electronic services.
- ▶ Other connections may exist, but missing data

Sources I



Government of Canada. *GC Service Inventory Dataset*. June 30, 2020.
Distributed by GC Open Government.

[https://open.canada.ca/data/en/dataset/
3ac0d080-6149-499a-8b06-7ce5f00ec56c](https://open.canada.ca/data/en/dataset/3ac0d080-6149-499a-8b06-7ce5f00ec56c)

Accessed: 2020-08-13

Thank you

Thank you for your time!