Analysis of Government Funding status

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CANDEV // Data Challenge
Presented by Statistics Canada

Statistics Canada   Statistique Canada

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Overview

- Introduction
- Problem
- Methodology
- Product Review
- Future Work

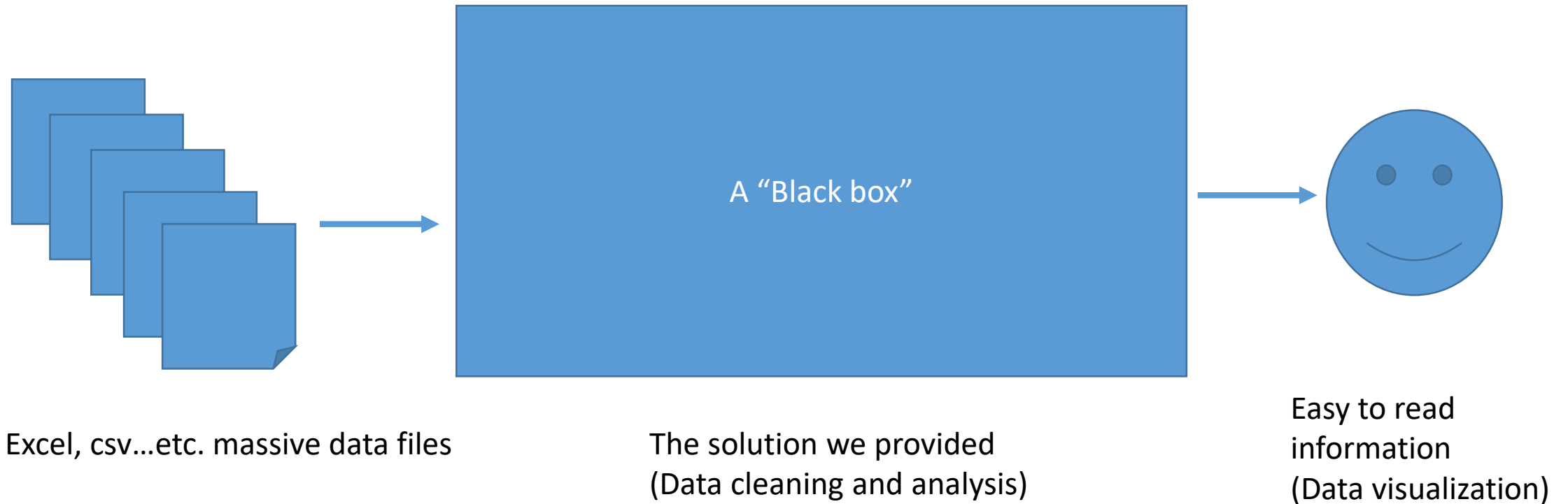Statistics Canada Statistique Canada

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Introduction

- **Exploring Government Funding to Businesses with Treasury Board of Canada Secretariat**

- **Data Source:**

- Proactive Disclosure - Grants and Contributions https://open.canada.ca/data/dataset/432527ab-7aac-45b5-81d6-7597107a7013/resource/1d15a62f-5656-49ad-8c88-f40ce689d831/download/grants.csv

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  Detailed information on Transfer Payments, as per the Public Accounts of Canada https://open.canada.ca/data/en/dataset/69bdc3eb-e919-4854-bc52-a435a3e19092

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Problem

- Massive amount of not properly tagged data
- Missing or incorrect information

	ref_number	amend	amer	agro	reci	reci	recipi	recipien	recip	recipie	recip	recipient_po	fe	feder	fed	pro	pr	prog	prog_pu	agree	a	fo	fore	agreement_start_date	agreement_end_date
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Methodology and Product Review

A "Black box"

Excel, csv...etc. massive data files

The solution we provided
(Data cleaning and analysis)

Easy to read information
(Data visualization)

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Future Work

- **Detailed analysis of the funding status of different programs and within different region.**
- **Apply Machine learning for data classification focus on text information. Eg, link projects to proper program.**