

# **Developing a Historical Data Pipeline: Improving Access to Criminal Justice Data**

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# Criminal Justice Employment and Expenditure

- Sponsored by Bureau of Justice Statistics (BJS)
- Special tabulation of Census public sector data
  - Police Protection
  - Corrections
  - Judicial and Legal



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## Local Spending on Jails Tops \$25 Billion in Latest Nationwide Data

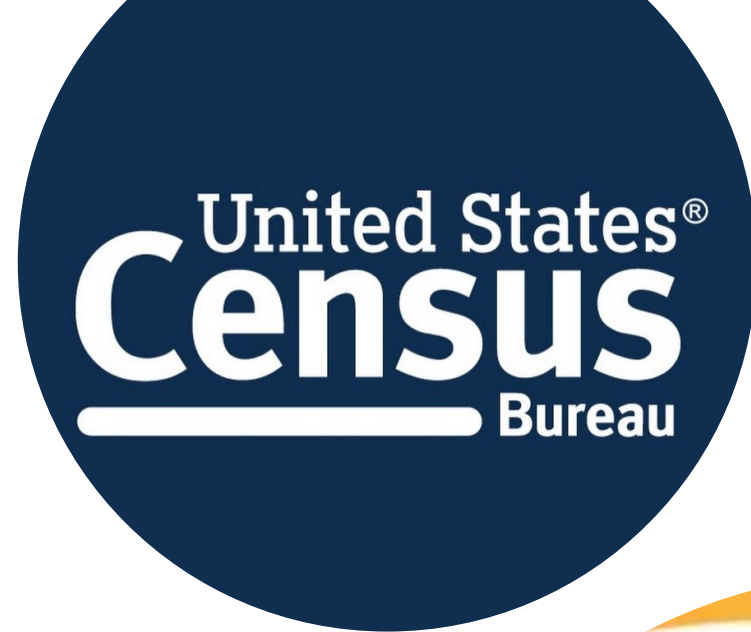
Costs increased despite falling crime and fewer people being admitted to jail

# Problem: Disconnected Data

A	B	C	D	E	F	G	H	I	J	K	L	
data source: Criminal Justice Expenditure and Employment Extracts												
Program (CJEE)												
author: [REDACTED]												
refer questions to: askbjs@ojp.usdoj.gov (202) 307-0765												
date of version: 04/14/2020												
Table 9. Justice system expenditure of State governments by activity and character and object, fiscal 2016												
(Thousands of dollars)												
Total justice system						Police protection						Ju
Direct expenditure						Direct expenditure						

# Goal: Accessible Data

- Scripts for output files
- Front end tool for data ingest
- Consistent migration of new data
- More timely delivery of new data



# Solutions



- Designed a relational database for CJEE and supplemental data
- Wrote scripts to migrate data from CSV files, Oracle and the Census API
- Built a web application for future data migration

# Future Work


- Refine migration tool
- Migrate data back to 1982
- Ensure template is compatible with other public sector data

### CJEE Data Migration

Year:

Vintage:

Type of Data:

Employment - State 

Upload File:

Choose File

2019-State.csv

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