DATA-DRIVEN JUSTICE: DISRUPTING THE CYCLE OF INCARCERATION

February 1, 2017

LOOM

An Update on the DDJ Technology Platform

January 23, 2017

DDJ Tech Mission Statement

Dramatically **reduce technology barriers** to allow any jurisdiction, **regardless of size or capacity**, to safely and securely share data across public safety and health systems to **improve operations, identify those most in need of help, rapidly identify and go test interventions, and improve human outcomes.**

THE LOOM TEAM

We are a venture backed team of five based in Redwood City, including former developers from Palantir, LinkedIn, Salesforce and Microsoft.

Our mission is improve operational and policy outcomes for government through secure data sharing.

Case Study: Johnson County, KS & UChicago Data Science for Social Good

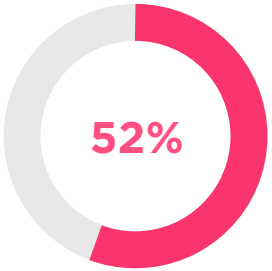
GOAL

Identify high-utilizers of EMS & mental health services, plus law enforcement encounters in the County

- Paramedic transport logs
- Jail bookings
- Court records
- Probation records
- Mental health case management

FINDINGS

A key predictor for someone on the list was being disconnect from MHS ~2 years since last contact



went to jail in the next year

collective jail time served

absolute minimum cost of jail services

Source: DATA-DRIVEN JUSTICE (DDJ) PROGRAM: CASE STUDY Operationalizing Solutions in Johnson County, Kansas (2016). Laura and John Arnold Foundation.

Case Study: Cambridge Police Department

Actual data from 26 y/o female

POLICE DATA

Date	Type	Description
9/24/2016	VICTIM	DISTURBANCE
6/16/2016	VICTIM	DOMESTIC DISPUTE
6/2/2016	INVOLVED PARTY	MENTAL HEALTH
2/25/2016	INVOLVED PARTY	INVOLUNTARY HOSP

EMS DATA

Date	Type	Description
11/6/2016	INVOLVED PARTY	NON FATAL OD
9/17/2016	VICTIM	OVERDOSE
9/13/2016	VICTIM	OVERDOSE
8/12/2016	VICTIM	OVERDOSE

CLEARER INSIGHTS

Date	Type	Description
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What could you do if you had these tools and insights from data across your systems?

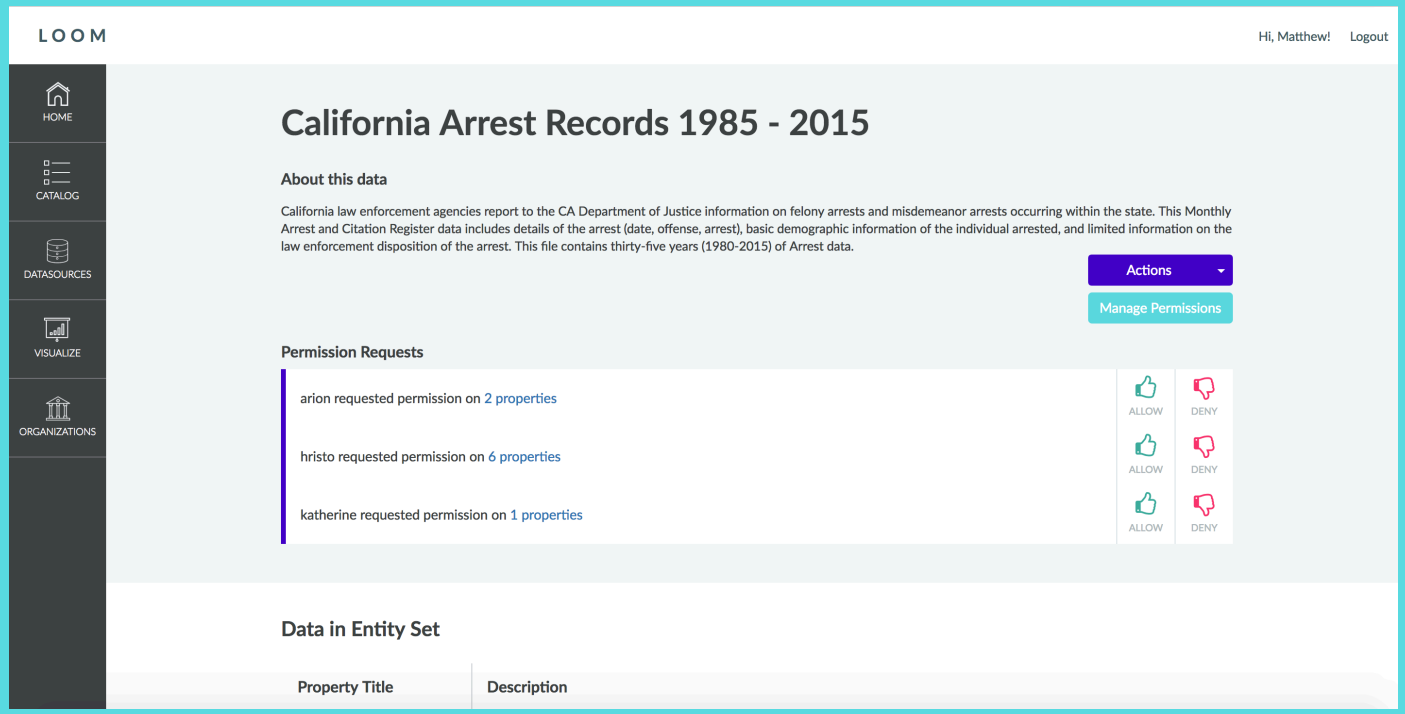
With Loom, you can manage, search, and share sensitive data sets.

CHALLENGE

Managing data sharing and user agreements

LOOM FEATURE

Internal and external parties can request and be granted access in streamlined workflow

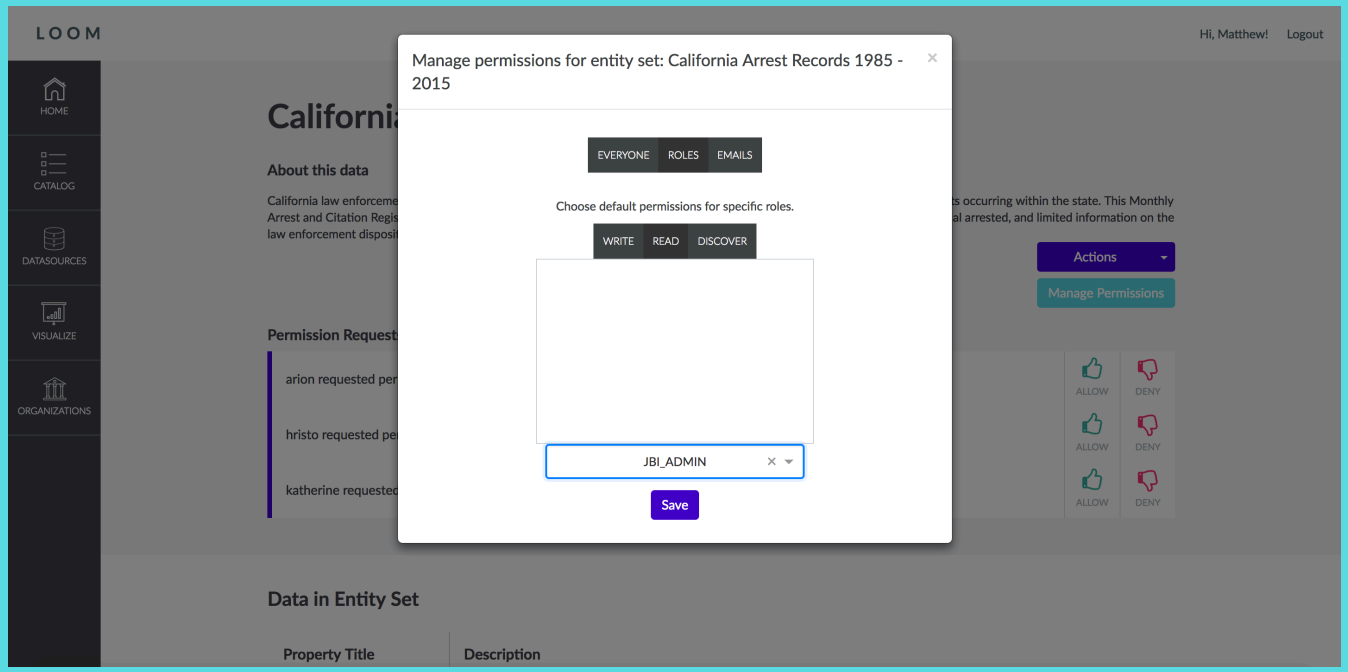


CHALLENGE

Controlling who receives access to the individual-level data

LOOM FEATURE

Administer user permissions and monitor access logs enforce governance and legal agreements.

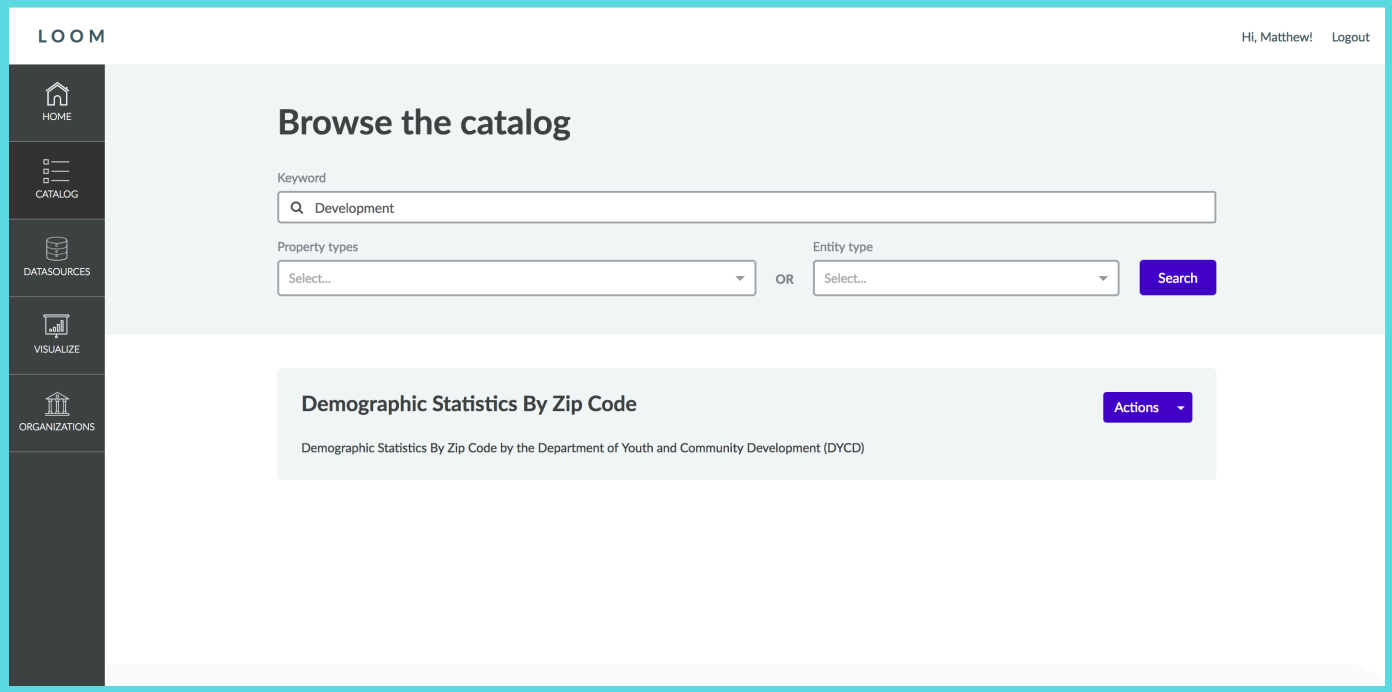


CHALLENGE

Discovering relevant data sets inside and outside of your organization

LOOM FEATURE

Full-text search across all data and metadata.



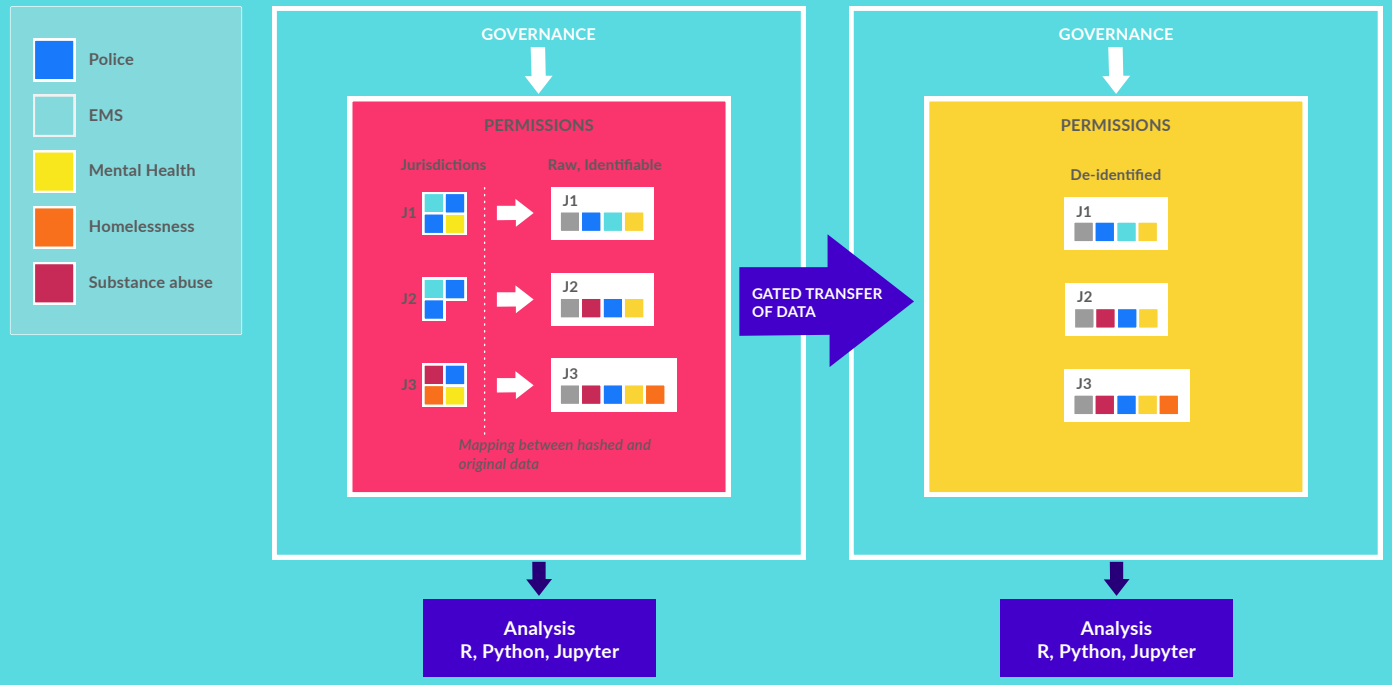
CHALLENGE

HIPAA Compliance

CJIS Compliance

LOOM FEATURE

De-identified data sharing and linking for research and analysis



We need you!

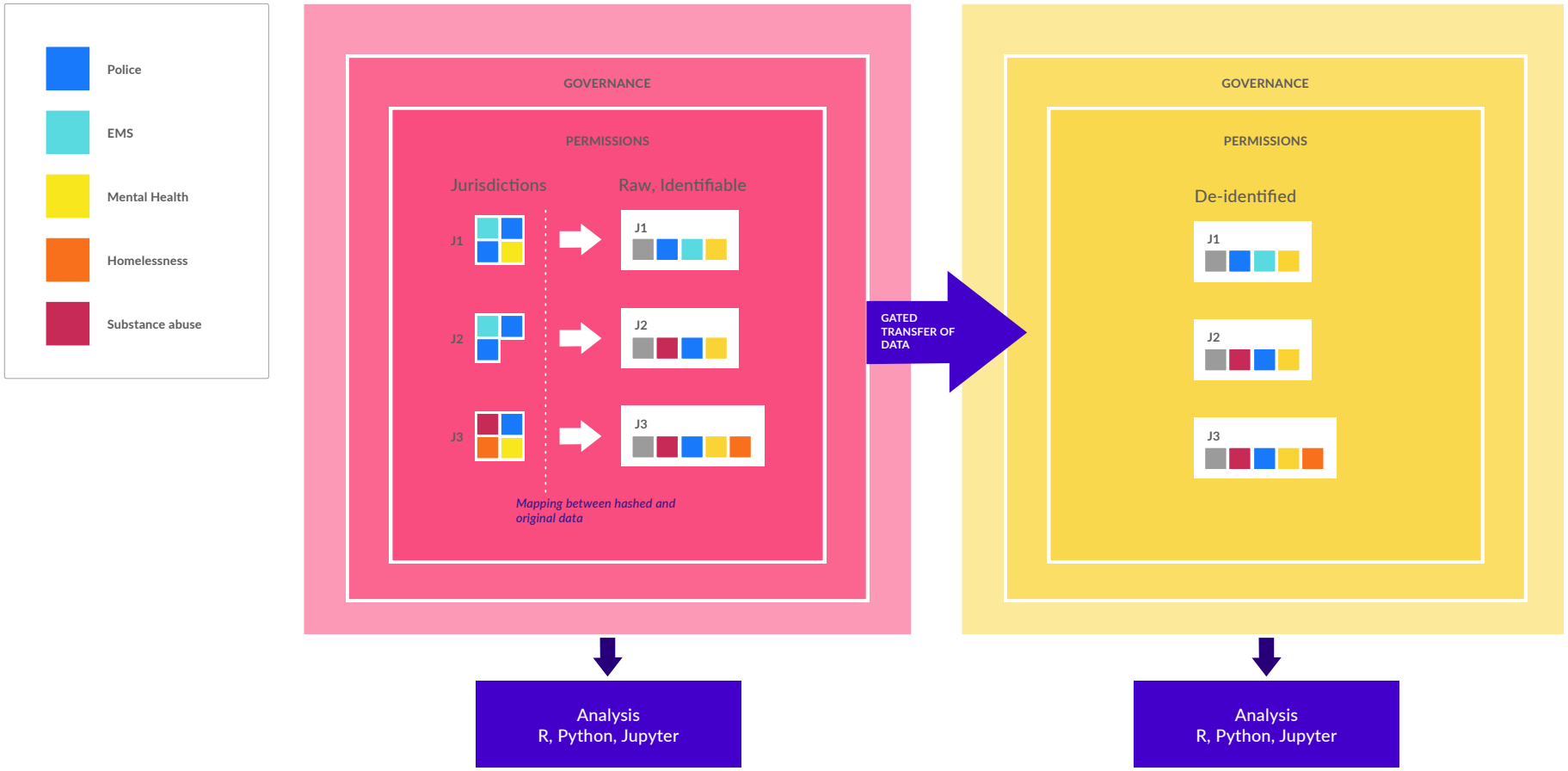
We are building Loom in partnership with the DDJI and need jurisdictions to help us refine our approach.

https://thedataloom.com/gallery

APPENDIX

https://thedataloom.com/gallery

HIPAA and CJIS Compliant Data Protection Architecture



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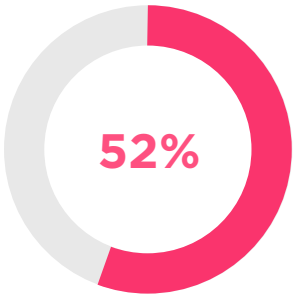

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$250K
per person

absolute minimum cost of jail services

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CHALLENGE

Managing data sharing and user agreements

ON THE ROADMAP

Build structure of your legal agreement into who/how people can access your data

CHALLENGE

Managing data sharing and user agreements

ON THE ROADMAP

Auto-generated dataset recommendations