

DATA DRIVEN CRIMINAL JUSTICE TRAINING

GOVLAB'S COACHING PROGRAMS SURVEY RESPONSES OVERVIEW

THE DATA DRIVEN CRIMINAL JUSTICE TRAINING

The GovLab is an action-research center dedicated to improving people's lives by changing how we govern using new technologies.

The Laura and John Arnold Foundation has partnered with the GovLab to offer a training program beginning this autumn geared to practitioners working on data-driven criminal justice innovation.

The training goal is to build Data Science related skills and offer coaching to help participants projects succeed.

The training is aimed at helping innovators within government, to take your public interest project from idea to implementation.

In order to effectively design and custom the training the GovLab has delivered a survey to the potential training participants.

The training goal is to build Data Science related skills and offer coaching to help participants projects succeed.

SURVEY GROUP

57 participants, **55** different organizations

Diverse positions in the organizations (mostly managers and/or executives)

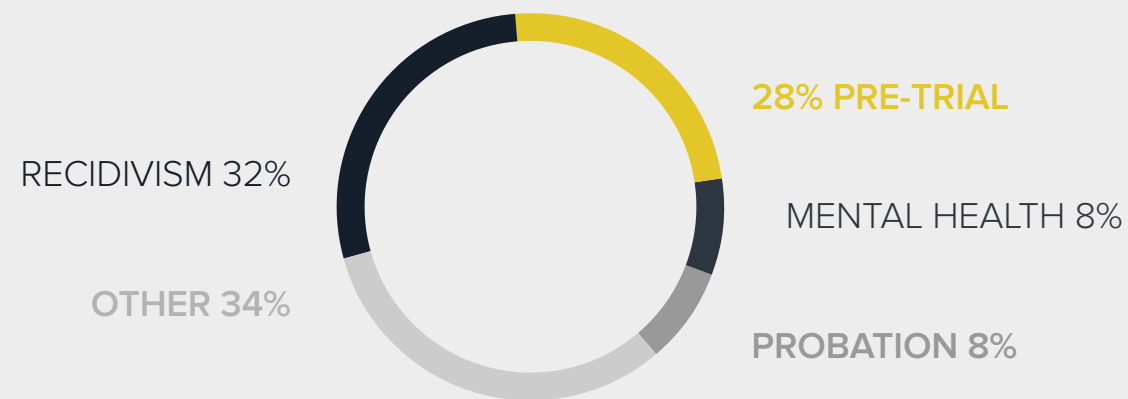
Various projects and solutions (see Annex for examples)



PARTICIPANTS PROJECTS TAXONOMY

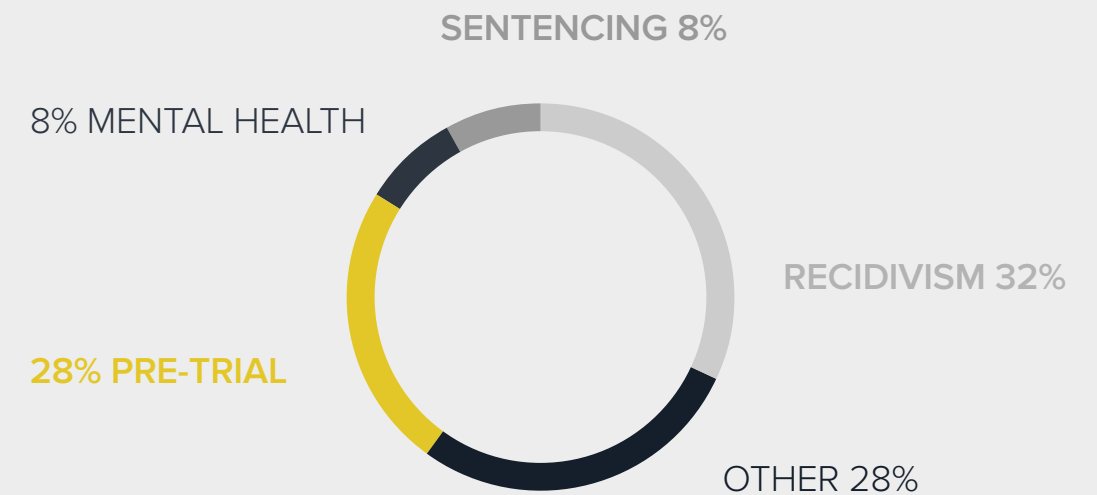
A Wide Variety of Data Storage Practices - Data anonymization practices by CJCC agencies

Among all survey participants who filled the project field (45 records)



Other include: bail, coordinating stakeholders, data integration, diversion, health, jail alternatives, juvenile, racial disparities, reducing CJ costs, Sentencing, substance abuse, Witness intimidation

Among the participants who stated the want to have a personalized coaching program and have a project (26 records)



Other include: bail, data integration, diversion, jail alternatives, mental health, racial disparities, reducing CJ costs, Sentencing, Witness intimidation

TRAINING DEMAND AND DIVERSITY OF BACKGROUND

INTEREST IN LEARNING MORE BY TOPIC

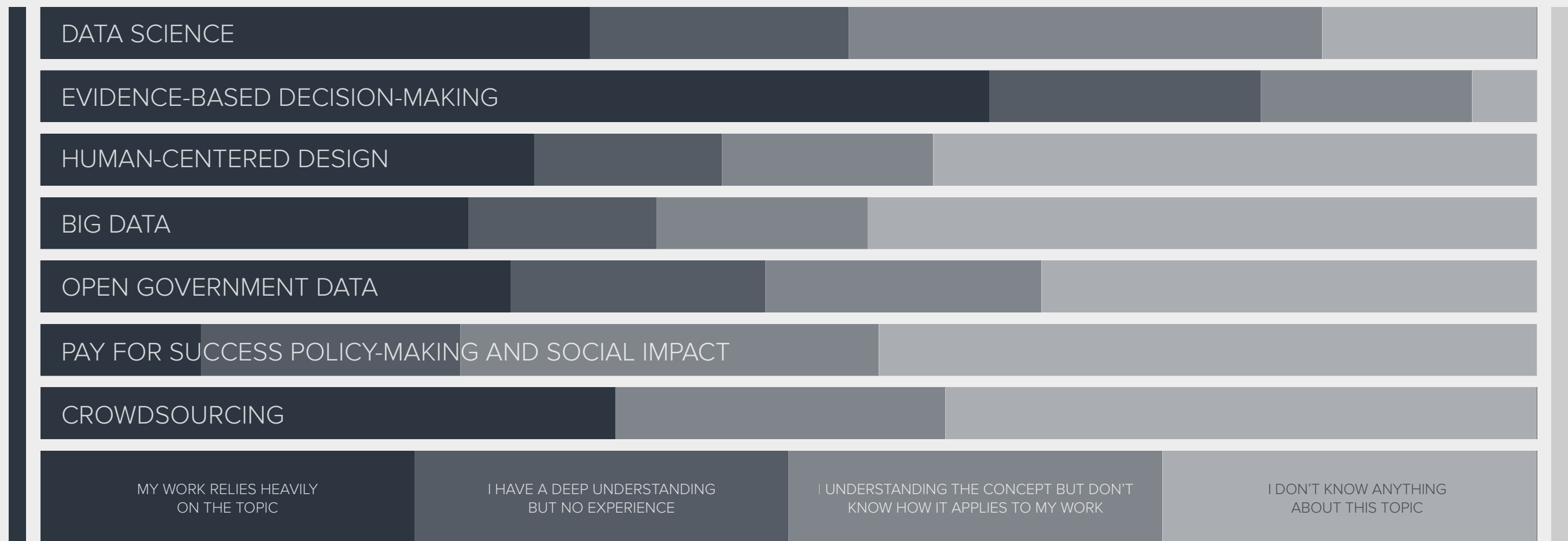


TRAINING DEMAND AND DIVERSITY OF BACKGROUND

PRIOR KNOWLEDGE AND EXPERIENCE

0

57



TRAINING DEMAND AND DIVERSITY OF BACKGROUND

BOTTOM LINES

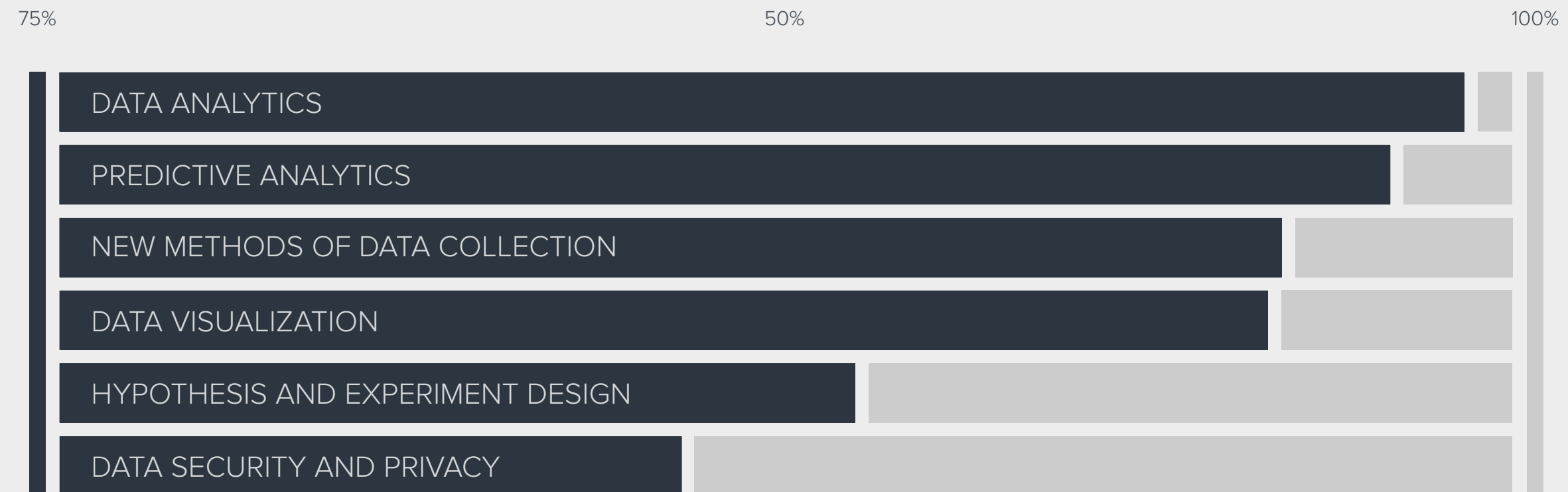
High demand for all offered training subjects.

Data Science and Evidence-based decision-making are subjects where most participants have prior knowledge thus training should focus on practical tools

Other Subjects have at least 50% who do not know anything or know little about the subject thus need to focus on concept before working on practical tools.

DEMAND FOR SKILL BUILDING

The following chart represents summary of survey replies to the question: Of these data science skill-building workshops listed below, which would you be interested in taking? Please select all that apply



PERSONALIZED COACHING PROGRAMS

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46% of survey participants stated they'd be interested in enrolling in a personalized project Coaching Program (see Annex E for their project list)

GovLab's coaching programs are geared to the purpose-driven participant a writing@ gmail.compassionate about a public problem and already undertaking a project.

26% of survey participants stated they have a data science or criminal justice expert in mind whom they'd want to invite to participate as a coach (see Annex A for experts names)

The Coaching programs are designed to help participants develop a project **from idea to implementation**, and offer frequent and constructive feedback, customized and original learning materials, peer-to-peer support, introductions to global topic experts and Faculty and staff online office hours with the teams to address project progress.

CONCLUSION

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Most of potential participants come from different geographic locations thus an online program would be the most effective method to address most participants' needs.

The groups are geographically divided into three: east coast (mostly in Boston-NY-DC), west coast (mostly in California) and the third group is scattered around the other US regions (including Hawaii).

There is a high demand for all Data Science offered subjects.

For most of the subjects offered the participants are diverse in terms of prior knowledge and experience, thus some of the subjects' trainings should focus on the concept level and some go deeper and give practical tools.

Around half of the survey participants have a project and would like to have a personalized coaching program and get help executing it.

NEXT STEPS

Design training curriculum subjects according responses inputs, including highly demanded subjects and skill building workshops and excluding skill building workshops with lower demand.

Pedagogically differentiate between the subjects to be more concept-focused and the ones to be more practical tools driven.

Match experts and coaches with projects of the participants stated they'd like a personalized coaching program.

Approach suggested coaches and experts to join the trainings.

ANNEXES

- A** - Criminal justice experts recommended by survey participants
- B** - Survey participants positions in their organizations
- C** - Suggested projects of Survey participants who asked for personalized coaching
- D** - Suggested projects of All participants
- E** - Survey participants targeted solutions
- F** - Survey's Questions
- G** - Participant's organizations list

ANNEX A

CRIMINAL JUSTICE EXPERTS RECOMMENDED BY SURVEY PARTICIPANTS

Dr. Allen Beck (abeck@justiceconcepts.com)

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Roger Przybylski

Tim Dibble

Neal Kauder

Dr.Ed Latessa

David Kennedy (John Jay College)

Madeline Carter (The Carey Group)

Jeremy Travis

Jonathan P Caulkins

Al Blumstein

Dr. Marie Vanstrand

ANNEX B

WHAT IS YOUR POSITION WITHIN THE ORGANIZATION?



ANNEX B

WHAT IS YOUR POSITION WITHIN THE ORGANIZATION? (AS LIST)

Management Analyst III
Pretrial Supervisor. Program Developer
Data Analyst
Senior Policy Analyst
Justice Programs Coordinator
Director
Training Director
Management Analyst
Research and Evaluation Manager
Agency Director
Senior Research and Evaluation Analyst
Court Services Worker
Criminal Justice Planning Specialist
Deputy Director
Medical Director

Training Coordinator
Bureau Chief Quality Services Assurance Bureau
Intake Service Center Administrator
Presiding Judge
Field Services Administrator
Planner
Drug Court Coordinator
Supervisor
Senior Investigator
Assistant Probation Officer
Probation Program Manager
Director of Research
Deputy Chief Probation Officer - Juvenile Division
Program Manager
Manager

Deputy Chief
Deputy Chief Probation Officer
Training Supervisor
Commissioner
Senior Investigator
Director of Planning & Research
Director of Research and Planning
Management Analyst
Division Manager
Deputy Prosecuting Attorney
Probation Services Manager
Administration
Director
Program Unit Supervisor
Research Director

ANNEX C

Suggested projects of Survey participants who asked for personalized coaching

- Educate, train criminal justice system, use data, increase collaborations in the state;
- Evaluating problem solving courts, trying to develop dashboards and tools for probation officers, matching pretrial risk assessment with pretrial release recommendations;
- Intoxicated Driver Improvement Program, Diversion;
- Multi-jurisdictional drug task forces;
- Witness intimidation;
- Medication assisted therapy;
- Sentencing;
- Reduction in delinquency ;
- HOPE Pretrial;
- Pretrial Justice, Smart Sentencing, Evidence-Based Decision Making;
- supervision of probationers;

- Risk Assessment;
- Jail Outreach;
- Recidivism;
- Reduce Recidivism, Appropriate Caseload Ratios;
- Reset core probation supervision work;
- Criminal Case Flow Management, Develop Sentencing Guidelines, Specialty Court Implementation, Diversity Task Force;
- Pretrial Services and Collaborative Courts;
- Continuous Improvement Process and Annual Reports;
- Trying to develop a way to track programing and results impove services to reduce recidivism., Track and measure dosage of programing, Track probation supervision term;
- Sentence in ation;
- Pretrial monitoring, with domestic violence supervision, with drug testing;

- Criminal justice population modeling, cost-benefit analysis, criminal justice resource use, data integration, fiscal impact analyses;
- Program evaluation, on reducing recidivism;
- Making bail decisions;
- Trying to develop program evaluation that provides measurable results for determining which programs are more successful at reducing recidivism;
- Develop better analysis and accurate statistical data to reflect case management, to develop analysis and understanding , to develop an algorithm that can measure the rate of success (clients who do not commit a crime after completion of probation) short and long term;
- I'm trying make sure the right people stay in jail pretrial;
- Data Integration/Data Warehouse;

ANNEX D

Suggested Projects (all survey participants)



ANNEX D

Suggested Projects (all survey participants - as list)

Cost benefit analysis

Pretrial Services

Educate, train criminal justice system, use data, increase collaborations in the state

Increasing the quality of pretrial release advocacy

Evaluating problem solving courts, trying to develop dashboards and tools for probation officers, matching pretrial risk assessment with pretrial release recommendations

Dual Diagnosis and community Addiction, detox and Tx SIB
Harvard Kennedy SIB Lab

Developing a jail capacity forecasting tool

Intoxicated Driver Improvement Program, Diversion

Multi-jurisdictional drug task forces

Witness intimidation

Medication assisted therapy

Sentencing

Reduction in delinquency

HOPE Pretrial

Pretrial Justice, Smart Sentencing, Evidence-Based Decision Making

supervision of probationers

Risk Assessment

Jail Outreach

Move our department in the direction of EBP and data driven outcomes and policy and procedural development

Recidivism

Implementing a needs assessment and case plan at our agency

Within the juvenile division

Trying develop a better mental health screening tool

Reduce Recidivism, Appropriate Caseload Ratios Developing a training curriculum

Reset core probation supervision work

Justice Reinvestment, Safety and Justice Challenge, Safety and Justice Challenge

Criminal Case Flow Management, Develop Sentencing Guidelines, Specialty Court Implementation, Diversity Task Force

Pretrial Services and Collaborative Courts

Continuous Improvement Process and Annual Reports

As legislative liaison between our Department and the State and County legislators

Trying to develop a way to track programing and results improve services to reduce recidivism., Track and measure dosage of programing, Track probation supervision term

Services

Sentence in ation

With pretrial monitoring, with domestic violence supervision, with drug testing

Criminal justice population modeling, cost-benefit analysis, criminal justice resource use, data integration, fiscal impact analyses

ANNEX E

Suggested solutions



ANNEX E

Problems they are trying to solve

Determine cost benefit model for juvenile justice,
Reduce rate of incarceration and develop best practices.

End stigma of mental illness, to better work with persons with behavioral health disorders, to inform decisions and improvements to criminal justice programs, more effectively use and connect resources

Convince judges to use and trust the pretrial release instrument

What works for what groups to reduce recidivism and produce better outcomes, Allocating limited resources to achieving the best offender outcomes and public safety outcomes, Allocate limited resources to reduce failure to appear,

recidivism and improve public safety

Community supply vs demand. Costs etc

To determine groups of individuals where community treatment may be a better alternative to incarceration.

Reduce recidivism, save jail bed dates, reduce recidivism, provide early intervention

I am trying to link activities/seizures to reduction of overall crime

Improved conviction rates

Impact on recidivism and cost of incarceration
Excessive revocation penalties

Program Effectiveness

Increase Pretrial Success

Increase safe release and better outcomes sooner, reduce imprisonment and reducing recidivism, increase access to and use of proven practices and data in decision making

Statistical validation

Attempting to educate stakeholders about my program. I'm trying to process all inmates arrested for release OR consideration, in attempts to reduce jail overcrowding.

To change our culture to make decisions on how we interact with offenders and meet their needs. Also, show if our efforts are having a positive effect on offenders behavior.

ANNEX E

Problems they are trying to solve (cont.)

System for accurate data collection

Increase “buy in” from probation officers and offenders

Reduce the rates of detainees, placements, and recidivism

I’m trying to reduce the overrepresentation of incarcerated mentally ill offenders.

Increase the knowledge base and level of engagement by our staff.

Align supervision strategies with results

To provide rapid system-wide business information, drivers of racial and ethnic over-representation, to provide system indicators of over use of jail beds for mentally ill and low level offenders

Improve pre-trial decision making, Enhance public safety and reduce taxpayer burden, Reduce defendant

mortality and enhance public safety, Reduce unwarranted disparity in the criminal justice system

Implement quality assurance measures to improve program outcomes and regularly share accurate data with criminal justice partners.

Putting conception into practice and making it meaningful

To efficiently convey all of our Department’s needs and challenges to decision-makers, in a manner that is both meaningful and persuasive.

To improve services to reduce recidivism., To determine effective services and needs of youth being serviced, To determine overall success rate

Through the use of data, Determine what services are effective in changing behavior.

Measuring the impact of enhancements and increased penalties on deterrence

To improve the rate o enders appear in court and reduce recidivism. , preict risk in order to improve supervision practices with this population to ultimately reduce recidivism, use drug testing most effectively with offenders in order to reduce recidivism

To accurately predict future caseloads for prison and probation, holding some things constant, while accounting for the dynamic system between the many criminal justice system actors., to provide policymakers with expected future benefits and costs for public spending on different criminal justice programs, to explain the division of costs between federal, state, county, municipal, and nonprofit criminal justice actors., to push the limits on connecting diverse datasets to better explain criminal justice activities., to estimate the dollar impact of proposed sentencing changes within the state.

ANNEX F

Survey's Questions (1 of 2)

- What is the name of your organization?
- What is your position within the organization?
- Where are you located?
- Within my work (on project) _____, I'm trying (to solve) _____. (e.g. Within my work trying to develop a better algorithm to predict recidivism, I'm trying to reduce the rate of incarceration and crime at the same time.)
- How much do you know about data science? Are you interested in learning more?
- How much do you know about evidence-based decision-making? Are you interested in learning more?
- How much do you know about Pay For Success policy-making and social impact? Are you interested in learning more?
- How much do you know about big data? Are you interested in learning more?
- How much do you know about open government data? Are you interested in learning more?
- How much do you know about crowdsourcing? Are you interested in learning more?
- How much do you know about human-centered design? Are you interested in learning more?
- How would knowing more about the innovation topics above be helpful to your work?

ANNEX F

Survey's Questions (2 of 2)

- Of these data science skill-building workshops listed below, which would you be interested in taking? Please select all that apply.
- New methods of data collection (e.g. scraping);
- Data security and privacy (anonymized data and protected data);
- Data analytics (using data to uncover trends and occurrences);
- Predictive analytics (using data to predict future occurrences);
- Data visualization (creating graphics and charts to help illustrate data and tell a story);
- Hypothesis and experiment design;
- How would taking any of these data science skill-building workshops be helpful to your work?
- Would you be interested in enrolling in a personalized project Coaching Program?
- Do you have a data science or criminal justice expert in mind whom you think we should invite to participate as a coach?
- Can we contact you if we have additional questions?

ANNEX G

Names of Organizations

Alameda County Superior Court
Allegheny County Adult Probation and Parole
Bureau of Justice Assistance
Connecticut Dept of Correction
Contra Costa County Probation
County of Franklin, Pennsylvania
Court of Common Pleas of Bucks County, PA
Department of the Attorney General
Department of the Prosecuting Attorney, City
and County of Honolulu
Eau Claire County
Fifth Judicial District of Pennsylvania - Pretrial
Services
Hawaii County Office of the Prosecuting
Attorney
Hawaii Dept. of Public Safety

Illinois Center of Excellence for
Behavioral Health and Justice
Illinois Sentencing Policy Advisory
Council Kentucky Department of Public
Advocacy Kern County Probation
Los Angeles County Probation
Department Louisville Metro Criminal
Justice Commission Louisville Metro
Dept. of Corrections (local jail)
Massachusetts Probation Service
Massachusetts Trial Court
Merced County Probation
Monterey County Probation
Multnomah County Sheriff's Office
Nevada County Probation
Office of State Courts Administration,
Missouri Supreme Court

Office of State Courts Administrator
Office of the State Public Defender
Orange County Probation Department
Pennsylvania Department of
Corrections
Philadelphia Adult Probation and Parole
Department
Pierce Co Dept of Human Services
Pierce County Drug Court
Pima County Sheriff's Dept.
Placer County Probation Department
Pretrial Services
Riverside County Probation Department
San Joaquin County Probation
Santa Barbara County Probation
Department Sentencing Commission

SF Juvenile Probation
Shasta County Probation Department
Solano County Probation
State of Delaware-Division of Youth
Rehabilitative Services
Stearns County Community
Corrections
Sutter County Probation
Tehama County Probation
Tennessee Office of Criminal Justice
Programs
Trumbull County Family Court
Ventura County Probation Agency
Washburn County
Yamhill County, Oregon, Circuit Court
Yuba County Probation Department