Jacksonville Journey
Efficacy Study
January 28th, 2016
Introduction
The Journey So Far
Study Goals & Methodology
Results
Recommendations
Introduction
Who Are We?

Ben Webster
Lead Statistician

- Business Analytics
- Data Visualization
- Statistical Analysis
- Machine Learning & Predictive Modeling

Healthcare & Surveillance
Clustering, Churn and Acquisition

Financial Services
HR Analytics
Trading Forecasting
The Jacksonville Journey

A Comprehensive Community-Wide Anti-Crime Initiative

- **DECREASE IN VIOLENT CRIME**
  - **EDUCATION, TRUANCY, DROPOUT & LITERACY**
  - **POSITIVE YOUTH DEVELOPMENT**
  - **NEIGHBORHOOD SAFETY & STABILITY**
  - **INTERVENTION & REHABILITATION**
  - **LAW ENFORCEMENT & DETERRENCE**

“Working to achieve peace and prosperity in every home, on every street, for every citizen”
The Journey So Far...
Study Goals & Methodology
“To enable quantitative evaluation of the efficacy of the Jacksonville Journey programs against their stated goals. To provide recommendations for future data collection and monitoring procedures.”
Family Foundations (1000 in 1000)

Neighborhood Accountability Boards

Women's Center

Career Source

Clara White Mission

Operation New Hope

Local Initiatives Support Corporation

Community Based Organizations

Team Up

Summer Camps

Summer Jobs

ATOSS

JCPI

ELC
Jax Journey

Community Based Organizations

- ATOSS
- JCPI
- ELC
- Team Up

Operation New Hope
- Clara White Mission

Women's Center
- JALA
- JREC

Career Source

Local Initiatives Support Corporation

Neighborhood Accountability Boards

Family Foundations (1000 in 1000)

Summer Jobs

Summer Camps

Team Up
Adult Ex-Offender Programs

Program Goals:
Reduce Recidivism Rates for ex-offenders through educational, legal, admin, and employment services

Programs
- Clara White Mission
- Operation New Hope
- JALA
- JREC
- Women’s Center

Outcomes
- Lower Recidivism Rates
- Higher Percentage with HS Education
- Higher Employment Rates
**Program Goals:**
Reduce Recidivism Rates for ex-offenders through educational, legal, admin, and employment services

**Programs**
- Clara White Mission
- Operation New Hope
- JALA
- JREC
- Women’s Center

**Outcomes**
- Lower Recidivism Rates
- Higher Percentage with HS Education
- Higher Employment Rates
Youth Programs

Program Goals:
ATOSS – Help to keep truant and suspended juveniles in a structured and supervised environment, reduce dropout rates.
Team Up – Provide a safe environment where students are encouraged to and motivated to succeed in their academic and enrichment activities.

Programs

ATOSS
Team Up
Community Based Organizations

Outcomes

Higher Academic Performance
Lower Dropout Rates
Lower Future Suspension Events
Youth Programs

Program Goals:

**ATOSS** – Help to keep truant and suspended juveniles in a structured and supervised environment, reduce dropout rates.

**Team Up** – Provide a safe environment where students are encouraged to and motivated to succeed in their academic and enrichment activities.

Programs

- ATOSS
- Team Up
- Community Based Organizations

Outcomes

- Higher Academic Performance
- Lower Dropout Rates
- Lower Future Suspension Events
Linking the Data & Why it's Valuable

Ex-Offender Programs
(JREC, JALA, Operation New Hope, Clara White Mission, Women's Center Jax)

Jacksonville Sheriff's Office
Arrests

Out-Of-School Time Enrollment and Participation Data

Alternative to Out of School Suspension (ATOSS)

DCPS Discipline Referrals and Withdraw Codes
Linking Criteria – JSO & Ex-Offender Programs

Overall, 83% of Records Successfully Linked

Exact Link on:
First Name
Last Name
Date of Birth
Results
Ex-Offender Program Recidivism Curves

JREC
ATOSS Effect on Drop-Out Rates

### Offense Count: 1 Offense
- **Never ATOSS**: 19% Drop-Out Rate (129 of 669 Students)
- **Always ATOSS**: 13% Drop-Out Rate (117 of 909 Students)

### Offense Count: 10 or less
- **Never ATOSS**: 22% Drop-Out Rate (480 of 2,211 Students)
- **20% ATOSS**: 22% Drop-Out Rate (319 of 1,421 Students)
- **40% ATOSS**: 20% Drop-Out Rate (241 of 1,212 Students)
- **60% ATOSS**: 27% Drop-Out Rate (89 of 325 Students)
- **80% ATOSS**: 19% Drop-Out Rate (10 of 53 Students)
- **Always ATOSS**: 20% Drop-Out Rate (51 of 249 Students)

### Offense Count: 11 or more
- **Never ATOSS**: 28% Drop-Out Rate (248 of 890 Students)
- **20% ATOSS**: 30% Drop-Out Rate (148 of 494 Students)
- **40% ATOSS**: 27% Drop-Out Rate (40 of 148 Students)
- **60% ATOSS**: 43% Drop-Out Rate (12 of 28 Students)
- **80% ATOSS**: 67% Drop-Out Rate (2 of 3 Students)
<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Attendance Rate</th>
<th>Percent With Future Suspension Event</th>
<th>Rate</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades K-5</td>
<td>Less than 20%</td>
<td>15%</td>
<td>15%</td>
<td>2,333 Students</td>
</tr>
<tr>
<td></td>
<td>20% to 40%</td>
<td>13%</td>
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<td>2,247 Students</td>
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<td>40% to 60%</td>
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<td>80% to 100%</td>
<td>8%</td>
<td>8%</td>
<td>8,467 Students</td>
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<td></td>
<td>Perfect Attendance</td>
<td>9%</td>
<td>9%</td>
<td>786 Students</td>
</tr>
<tr>
<td>Grades 6-8</td>
<td>Less than 20%</td>
<td>48%</td>
<td>48%</td>
<td>3,180 Students</td>
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<td>80% to 100%</td>
<td>40%</td>
<td>40%</td>
<td>4,074 Students</td>
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<tr>
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<td>Perfect Attendance</td>
<td>25%</td>
<td>25%</td>
<td>125 Students</td>
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### Community Based Program Effect on Future Suspension Events

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<td>Grades K-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than 20%</td>
<td>9% Rate (1,068 Students)</td>
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</tr>
<tr>
<td>20% to 40%</td>
<td>13% Rate (775 Students)</td>
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</tr>
<tr>
<td>40% to 60%</td>
<td>11% Rate (714 Students)</td>
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</tr>
<tr>
<td>60% to 80%</td>
<td>10% Rate (827 Students)</td>
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</tr>
<tr>
<td>80% to 100%</td>
<td>10% Rate (1,703 Students)</td>
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</tr>
<tr>
<td>Perfect Attendance</td>
<td>10% Rate (101 Students)</td>
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<tr>
<td>Grades 6-8</td>
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<tr>
<td>Less than 20%</td>
<td>38% Rate (464 Students)</td>
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<tr>
<td>20% to 40%</td>
<td>38% Rate (258 Students)</td>
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</tr>
<tr>
<td>40% to 60%</td>
<td>35% Rate (258 Students)</td>
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<tr>
<td>60% to 80%</td>
<td>37% Rate (352 Students)</td>
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<tr>
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<td>25% Rate (539 Students)</td>
<td></td>
</tr>
<tr>
<td>Perfect Attendance</td>
<td>15% Rate (24 Students)</td>
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</tr>
<tr>
<td>Grades 9-12</td>
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<tr>
<td>Less than 20%</td>
<td>35% Rate (740 Students)</td>
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<tr>
<td>20% to 40%</td>
<td>37% Rate (265 Students)</td>
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<tr>
<td>40% to 60%</td>
<td>37% Rate (214 Students)</td>
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</tr>
<tr>
<td>60% to 80%</td>
<td>35% Rate (283 Students)</td>
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<tr>
<td>80% to 100%</td>
<td>29% Rate (304 Students)</td>
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</tr>
<tr>
<td>Perfect Attendance</td>
<td>0% Rate (8 Students)</td>
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1. Build Consistent Data Collection Methods

Standardized Set of Data Feeds To Support Ongoing Program Analysis
You want 100% of Records Successfully Linked!!

Exact Match on:
- First Name
- Last Name
- Date of Birth

Rejected on:
- Member ID
3. Identify Benchmarks & Goals

Which program is the most effective for future individual ex-offenders?

What is the goal for 2016?

What is expected recidivism rate for each group?

Which program is the most effective for future individual ex-offenders?
### 3. Identify Benchmarks & Goals

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What is the attendance rate goal?
4. Monthly Reviews
Thank You!