SOLVING REAL-WORLD PROBLEMS WITH DATA

YOUTH UNEMPLOYMENT
### Client challenges

<table>
<thead>
<tr>
<th>Youth Unemployment</th>
<th>Tax Loss</th>
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<tbody>
<tr>
<td><strong>15 - 40%+</strong></td>
<td><strong>£22B</strong></td>
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<tr>
<td>Typical rates around the world</td>
<td>London School of Economics estimate of foregone UK tax receipts</td>
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<table>
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<tr>
<th>Budget Impact</th>
<th>Individual Outcomes</th>
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<tbody>
<tr>
<td><strong>$1M Youth</strong></td>
<td><strong>15%</strong></td>
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<tr>
<td>Individual costs in New Zealand</td>
<td>Percent of young people that die after 10 years in NEET category</td>
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Key factors

Education

Stability in life

Social – emotional readiness

Employment & community engagement

Career management
Using data to support individuals

**Understand**
- Individual situation
  - Patterns
  - Predict / identify high-risk
  - Employment & labor market situation

**Enable**
- Develop skills
- Educate about employability
- Reduce barriers & support independence

**Manage**
- Individual action plans
- Manage the plan and support the individual
Social Investment Insights: An open data initiative in New Zealand

- Mapping tools & anonymized data on high risk youth
- Researchers & service providers
In the US, a Pennsylvania e-government initiative identified hotspots and created a community services website to help released prisoners with re-entry and employment.

http://reentrymap.cor.pa.gov/
Medway Youth Trust: Broadening the vision

- Non-profit organisation – formed 2008
- Work across Medway, Kent, East Sussex – SE England (between London and Channel coast)
Text analytics helped to identify those at highest risk and group themes

- “Jason had an argument with Mother’s boy friend, she threw him out. Currently sleeping rough”.
- “Susan told me she is 3 months pregnant and is living in a squat”
- “Jimmy dropped out of course after two weeks. Mother drinks, father out of work”
- “Helen on final warning following inappropriate behaviour”

Medway identified more than 700 young people who would cost the country an average of £97,000 each throughout their lifetime
Medway is expanding on early success towards a broader view of the labor market and individual support.
Governments like those in some Indian states and Austria are beginning to use mobile
Worker skills, interests, and location
Employer needs and location
Job matching analytics
Agile government

Won Award for Best Job App in Austria
Video of Emerging Technology Direction that Combines Mobile Computing and Analytics

https://www.youtube.com/watch?v=GFsc0B6DN8s
Putting it Together: Capabilities to Deliver Value from Data

Exploration, Visualization, Collaboration & Engagement
Exploration, Workflow, Case Adjudication & Engagement

Enterprise & Cognitive Analytics
Understand data in context

Trusted Information
A Platform & Set Of Services For Collecting Data
Thank You