

SOLVING REAL- WORLD PROBLEMS WITH DATA

YOUTH UNEMPLOYMENT

1 September, 2016



Client challenges

Youth Unemployment

15 - 40%+

Typical rates around the world

Budget Impact

\$1M Youth

Individual costs in New Zealand

Tax Loss

£22B

London School of Economics estimate of foregone UK tax receipts

Individual Outcomes

15%

Percent of young people that die after 10 years in NEET category

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



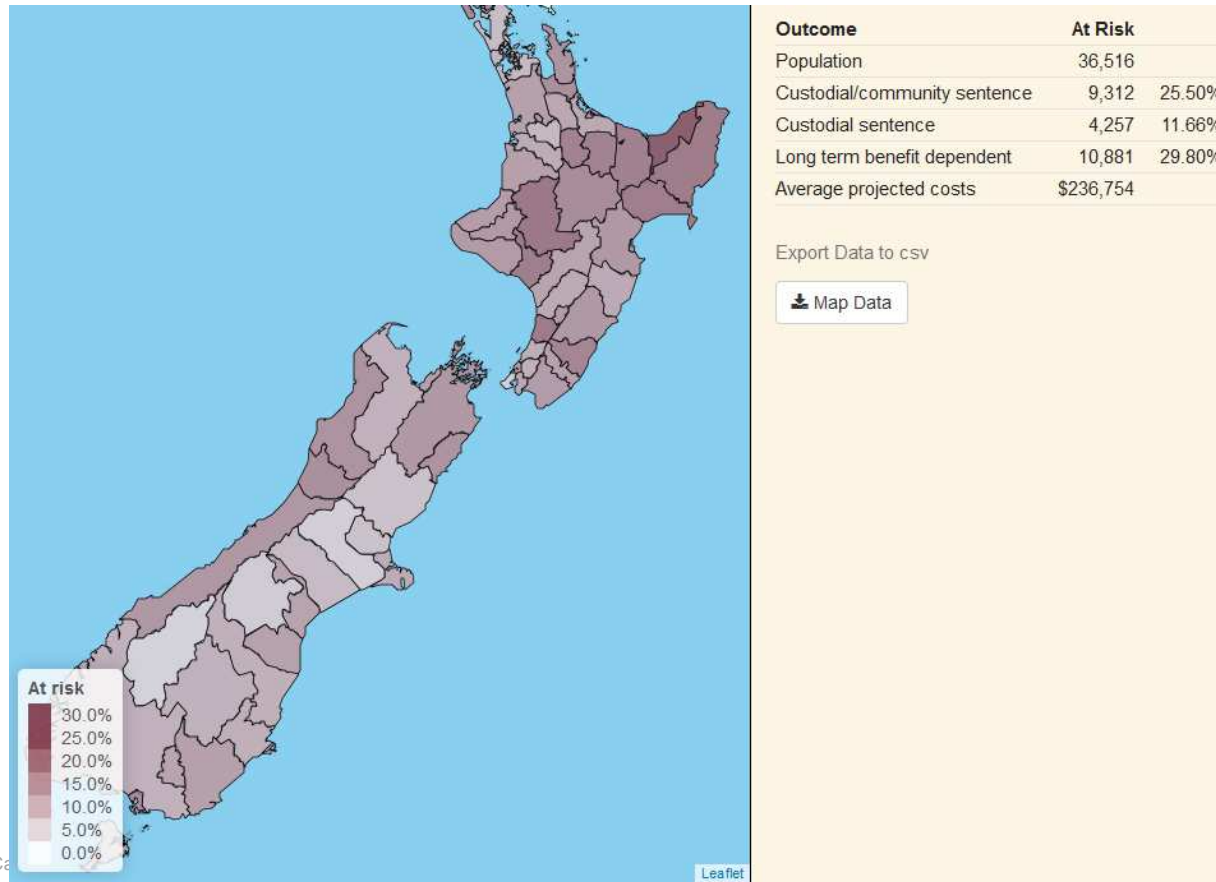
Enable

- 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

Interactive Reentry Services Map

pennsylvania DEPARTMENT OF CORRECTIONS

(1 of 5)

Erie Unemployment Compensation Service Center

County	Erie
Service	Employment
Specialty	
Fees	Varies depending on service needed
Summary	Processing claims for benefits under the program listed below. All services conducted by telephone or through the Internet. There is no in person service at this location.
Who	Services for community

Zoom to Print

Select Services

- Employment
- Domestic Violence & Victim Rights
- Transportation
- One-Stop-Shop
- Physical & Mental Health
- Family Services
- Legal Concerns
- Identification Documents
- Social Security
- Agency on Aging
- Drug and Alcohol
- Housing
- Veteran Services
- Food/Clothing
- Community Corrections Center
- County Courthouse
- Probation Office

OK

<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

Vulnerable groups

- “Jason had an **argument** with Mother’s boy friend, she threw him out. Currently **sleeping rough**” → homeless
- “Susan told me she is 3 months **pregnant** and is **living in a squat**”
NEET Sex & Relationship alcohol
- “Jimmy **dropped out of course** after two weeks. **Mother drinks**, father out of work” → Behaviour
- “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

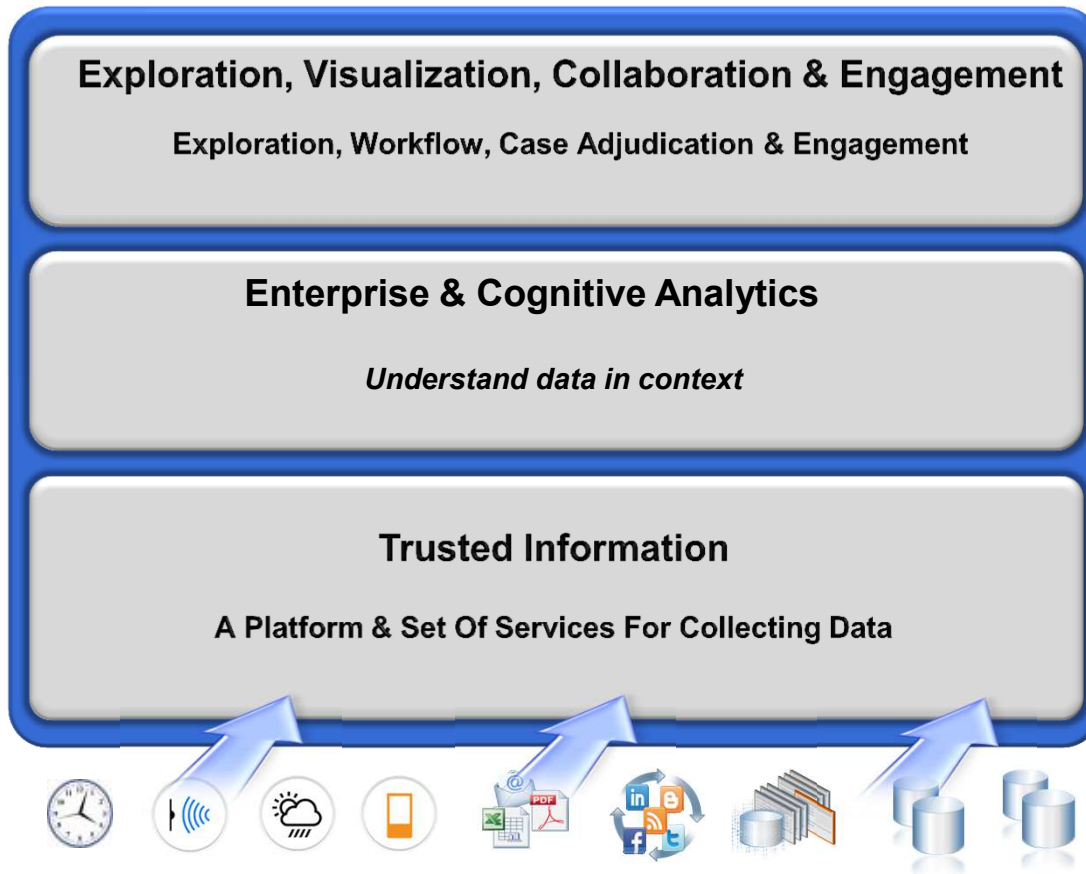


Won Award for Best Job App in Austria

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



Thank You