DECISIONS WITH DATA

BUSINESS INTELLIGENCE FOR YOUR ORGANISATION

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WHO AM I

SAM HEADBERRY

SENIOR CONSULTANT, INFOXCHANGE

» 12 years in the NFP sector
» Focus on housing and homelessness
» Data geek
» Believes Business Intelligence will drive better results for service users
» Wants a Harley Davidson
BUSINESS INTELLIGENCE

IN THE NOT FOR PROFIT SECTOR
Business intelligence

“Business intelligence (BI) leverages software and services to transform data into actionable intelligence that informs an organization’s strategic and tactical business decisions.”

Source: CIO Insider, accessed 1 November 2017
Why is it important?

Having access to the right intelligence and insights ensures you:

» Demonstrate the impact of your services
» You are informed on your services and service provision
» Supports your organization define its strategy
» Support your organization define areas of competitive advantage
» Identify areas of internal and external strengths that can be leveraged
» Support your organization be more competitive in funding opportunities
Who would use it and why

» Senior managers and Executive
  • Generate insights to determine organizational strategy
  • Monitoring organizational performance

» Middle management
  • Identify trends and needs in service delivery
  • Staff management

» Case managers/ direct service workers
  • To see the impact of their work

» Administration
  • For reporting and compliance purposes
DATA VISUALISATION TOOLS

- Power BI
- plotly
- Google Data Studio
- Tableau
- QlikView
- Chart.js
- d3.js
PowerBI Building Blocks

Data  Visualisations  Reports  Dashboard
Data
Developing a dashboard

You don't have any dashboards

All dashboards in this workspace will be here.
Dashboard example
Querying data (Q & A)
Quick insights
Going deeper

» Can query multiple data sources in a single report
» Can perform advanced data analysis
» Can query data sources in real time using API’s and Odata
» Can use DAX to undertake more advanced data modelling
» Can undertake Big Data analysis using Spark and Azure HDInsight
Recap

» What we’ve covered today:

- Business Intelligence overview
- BI in the NFP space
- Introduction to PowerBI
- PowerBI building blocks
  - Accessing data
  - Visualizations
  - Reports
  - Dashboards
- Data Querying
- Data Sharing
- Quick insights
- Going deeper
THANK YOU
PLEASE GET IN TOUCH

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