Real-time Labour Market Information on Skill Requirements

Setting up the infrastructure for EU system

General framework for data presentation

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Topics

1. Context
2. Data presentation
3. Focus on use case
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2. Data presentation
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Overall Data Flow - Recap

1. Data Ingestion
2. Pre-Processing
3. Information Extraction
4. ETL
5. Presentation Area
Challenges of Data Presentation – key points

Which Users and navigation patterns?

How data and users interact with the context?

How data must be integrated?

How to manage data governance?
Topics

1. Context
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Presentation Area

- Data Discovery Capabilities
- Publish, Share and Collaborate
- Self-service analytics and BI
- Embedded Advanced Analytics
- Visual-Based Investigation
- Systems of Insight
- Spatial location intelligence
- Graph Discovery and investigation
- Data storytelling
Identify users and navigation patterns

Data Scientists and Analysts

Decision Makers and Business Users
Topics

1. Context
2. Data presentation
3. Focus on use case
Data Scientists and Analysts

Data Discovery Capabilities

Publish, Share and Collaborate

Machine-Learning Integration

Embedded Advanced Analytics

Database

Data Lab

Data discovery
Notebooks
Kernels
Data Scientists and Analysts

An occupation graph (from 2017 Big Data Hackathon – Estonia Team)
Decision Makers and Business Users

- Self-service analytics and BI
- Visual-Based Investigation
- Governed Data Discovery
- Data storytelling

Database → BI Presentation Tools

Storytelling → BI
Visual investigation → BI

BI Presentation Tools

CEDEFOP
European Centre for the Development of Vocational Training
Decision Makers and Business Users

Dashboard with point and click capabilities

Map (from 2017 Big Data Hackathon – French Team)

Labour Market Portal
(from 2017 Big Data Hackathon – Poland Team)

Vacancies by country

Dashboard (from 2017 Big Data Hackathon – Norwegian Team)
Thanks for your attention