Big Data for Labour Market Information

Session 9

Interpretation, visualisation, usage of results of Big Data for LMI - for skills anticipation, employment and skills policies, career guidance.

How can Big Data analytics contribute to skills anticipation?

Alessandro Vaccarino – Fabio Mercorio

Big Data for Labour Market Information – focus on data from online job vacancies – training workshop
Milan, 21-22 November 2019

Topics

1. Use Cases **[through online-demos]**
   1. University of Padua
   2. Polytechnic of Milan
   3. Master in Business Intelligence & Big Data Analytics – University of Milano-Bicocca
   4. Bizkaia Talent
   5. Italian Observatory of Digital Competences

University of Padua – Placement

Goal:

Analyse and monitor Labour Market Demand for professions coming from Degree courses

Evaluate alignment between Career Programs and Labour Market Demand

Polytechnic of Milan – Vocational Guidance

Goal:

Give to students an open dashboard and some infographics to show most relevant professions related to Engineering/Design/Architecture Degree Courses

Gives Career Services an Insight Platform to monitor companies, occupations, sectors and skills contained in their placement portal

Master in Business Intelligence & Big Data Analytics

Goal:

> Give to lecturers an interactive dashboard to analyse students working careers after completing the master, in terms of companies, occupations, sectors and skills, to keep the Master Degree aligned to Labour Market needs

Bizkaia Talent

Goal:

> Develop a Talend Network portal for, aimed to attract high skilled professionals to come working in Basque region, showing them:
>
> > Careers opportunities
> >
> > Geographic distribution
> >
> > Most required skills

Bizkaia talent

WollyBI

Goal:

    The Italian Web Labour Market Monitor allows observing LM dynamics over four dimensions (sector, territory, occupations and skills). 6M+ OJV since 2013. Browse LMI via:

       - skill gap analysis

       - territory (down to municipality)

       - sectors

       - occupations (ISCO from I down to IV level)

       - ad hoc analyses

CRISP interuniversity research centre for public services

WOLLYBI

Italian Observatory of Digital Competences

Goal:

Develop a country Big Data Observatory, to monitor evolution of ICT professions in both ICT and non-ICT sectors, analysing emerging occupations, relevant skills, competence mix and occupational trend