EDISON Data Science Framework (EDSF): Customising Education and Training for Career Development and Capacity Building

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EDISON Data Science Framework (EDSF)

EDISON Online Educational Environment

Roadmap & Sustainability
- Community Portal (CP)
- Professional certification
- Data Science career & prof development

Data Science Competence Framework (CF-DS)

Data Science Professional Profiles

Data Science Professional Profile Groups

Managers: Chief Data Officer (CDO), Data Science (group/dept) manager, Data Science infrastructure manager, Research Infrastructure manager

Professionals: Data Scientist, Data Science Researcher, Data Science Architect, Data Science (applications) programmer/developer, Data Analyst, Business Analyst, etc.

Professional (database): Large scale (cloud) database designers and administrators, scientific database designers and administrators

Professional (data handling/management): Data Stewards, Digital Data Curator, Digital Librarians, Data Archives

Technicians and associate professionals: Big Data facilities operators, scientific database/infrastructure operators

Support workers and data handling clerks: Support workers, data entry clerks, data entry field workers

Data Science Body of Knowledge (BoK)

EDISON Data Science Framework (EDSF) provides conceptual basis for the Data Science profession
- CF-DS – Data Science Competence Framework
- DS-BoK – Data Science Body of Knowledge
- MC-DS – Data Science Model Curriculum
- DSPP - Data Science Professional Profiles
- Data Science Taxonomy and Scientific Disciplines Classification Service and operational components of the Data Science professional ecosystem
- Community Portal (CP) including:
  - EOEE – EDISON Online Education Environment
  - Education and Training Marketplace and Directory
  - Professional certification and career development support

Data Science Competence Framework (CF-DS)

Individual Education/Training Path based on Competence benchmarking

Red polygon indicates the chosen professional profile: Data Scientist (general)
Green polygon indicates the candidate or practitioner competences/skills profile
Insufficient competences (gaps) are highlighted in red
- DSSA - Data Science Analytics
- DSSM - Data Science Management
- DSENG - Scientific Methods
- DSP04 - Data Scientist
- DSRM01 - Data Science Research Methods
- DSBPM01 - Data Science Business Process Management

Can be use for team skills match marking and organizational skills management

For more information refer to EDISON documents
- DS-BoK: http://edison-project.eu/data-science-body-knowledge-ds-bok
- DSP Profiles: http://www.edison-project.eu/data-science-professional-profiles-dsp

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