

Research Data Management Competency Framework

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Introduction

NFDI4Objects Task Area 6 “Commons and Qualification” aims to define a **Research Data Management Competency Framework (NFDI4Objects-RDMCF)** that address the particularities of dealing with data regarding the study of the past through its material remains. The NFDI4Objects-RDMCF is to be offered to the broader community of practitioners, instructors and managers as reference and recommendation.

Current contents

At this point, we offer a tentative framework structure derived from a comparative synthesis of **existing frameworks** and the scope of a **sample of courses** lectured in Germany, between winter 2014/15 and summer 2023, based on IANUS (Lehrangebote) dataset. The further development and fine-tuning of competency domains and profiles will be perform with **direct feedback from other activities and experts in the NFDI4Objects consortium**.

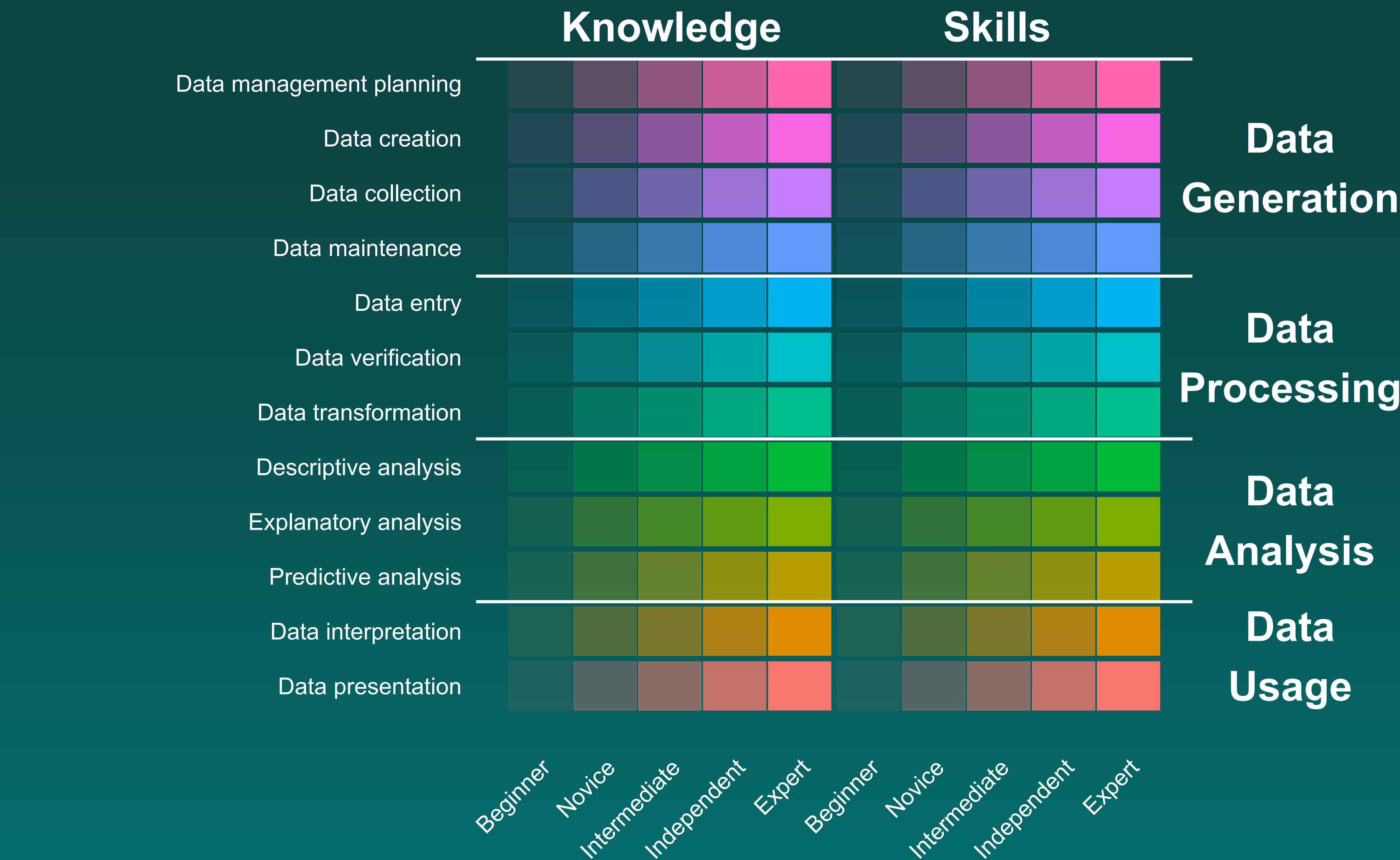
Open and reproducible document

The development process and documentation of the NFDI4Objects-RDMCF is kept as a **HTML Quarto Book** in ***perpetual beta state***.

We call any NFDI4Objects participant or community member interested in contributing to access the repository, register and engage!

https://gitlab.rlp.net/n40/competence_framework

Towards a better qualification system based on NFDI4Objects community assets



Document structure

- Introduction
- Part A: Current state
 - Existing courses and trainee programmes

Show	10	entries	Search: <input type="text" value="prakt"/>		
Institution Einrichtung	Title Veranstaltungstitel	Semester	Content keywords Inhalt	Data Lifecycle Management	
Universität Augsburg	Digitales Publizieren für KulturwissenschaftlerInnen. Einführung in XML und seine praktische Anwendung (HTML, PEI, EPUB)	WiSe 2018/19	Programmierung Online-Ressourcen Internet Digitalisierung	Data creation Data processing an Data usage	
Freie Universität Berlin	Prospektions- und Ausgrabungspraktikum	SoSe 2016			
Humboldt Universität Berlin	GIS und Gräberfelder - eine praktische Einführung	SoSe 2021	gis	Data creation Data usage	
Ruhr- Universität Bochum	Digitalisierung im Museum: Praktische Anwendungen	WiSe 2020/21	3D-Modellierung Software und Tools Visualisierung 3D Scan Digitale Dokumentation Digitalisierung	Data creation Data processing an Data usage Data archiving Data destruction	

- Analysis



- Part B: Derivation of the competence framework
 - Existing Frameworks
 - **US National Institute of Health NIH and Office of Human Resources (2017)**
 - **WHO Western Pacific (2023)**
 - **Schüller, Busch , and Hindinger (2019)**
 - **Petersen et al. (2023)**
 - Comparative synthesis of existing frameworks
- PART C: NFDI4Objects Competency Framework
 - Framework structure and components
 - ← **(chapters per Competency Area)**
 - Attitudes
- Recommendations

References

Petersen, Britta, Claudia Engelhardt, Tanja Hörner, Juliane Jacob, Tatiana Kvetnaya, Andreas Mühlichen, Hermann Schranzhofer, et al. 2023. "Lernzielmatrix Zum Themenbereich Forschungsdatenmanagement (FDM) Für Die Zielgruppen Studierende, PhDs Und Data Stewards." Zenodo. <https://doi.org/10.5281/zenodo.8010617>.
Schüller, Katharina, Paulina Busch , and Carina Hindinger. 2019. "Future Skills: Ein Framework Für Data Literacy." Zenodo. <https://doi.org/10.5281/zenodo.3349865>.
US National Institute of Health NIH, and Office of Human Resources. 2017. "Competencies Proficiency Scale." Text. *National Institutes of Health, Office of Human Resources*. <https://web.archive.org/web/20240425101205/https://hr.nih.gov/working-nih/competencies/competencies-proficiency-scale>.
WHO Western Pacific. 2023. *Data Management Competency Framework*. Manila: World Health Organization Regional Office for the Western Pacific. <https://www.who.int/publications-detail-redirect/9789290620099>.