

Competency standards for accreditation

Accreditation is the AI Guild action and process of recognizing a data professional as qualified to perform her or his profession to the highest quality standards.

Requirements for accreditation

Accreditation is available to all practitioners, e.g. employed, freelance, or entrepreneur. To be eligible for accreditation, the candidate must meet the following requirements.

- Four or more years of professional experience.
- Evidence for all elements of the competency standard.

You may submit for accreditation at www.datacareer.eu.

To discuss your submission for accreditation, you are welcome [to set an appointment online](#).

The competency standard

Accreditation means recognizing a practitioner as qualified to perform at the highest standards for technical competence, ethical behavior, business impact, and benefits to society. The competency standard covers the following areas.

1. Data proficiency
2. Advancing AI adoption
3. Professional contribution
4. Personal capacity

Element of competency	What this means	Demonstration: What does one prove?
Data proficiency		
Skills	Be competent across the product lifecycle.	Demonstrate the breadth of skills as a professional (e.g., data and software tools from data generation to model deployment).
Expertise	Hold deep domain expertise.	Demonstrate repeated and improved work with a set of methods in a particular domain that makes you an expert (e.g., Computer Vision engineer in mobility, Data Scientist in fraud detection).
Portfolio	Have a track record to senior level and beyond.	Prove that you co-built a deployed product or solution as an expert over a more extended period.

Advancing AI Adoption		
Value	Solution(s) implemented that create value for the customer or client.	Communicate how the solution improved or changed the life of the customer or client, including any metrics.
Impact	Solutions deployed have a business impact.	Measurable impact on the bottom line, e.g., revenue, savings, efficiency.
Innovation	Solve a problem or start something new.	Problem-solving with algorithms, data, and related tools, e.g., improving an existing solution, automating a process, exploration of new topics/challenges.
Quality	Provide evidence of reproducibility, transparency, appropriateness of your solution, and its safety.	For example, code quality (efficiency, the accuracy of tools); model quality (the plausibility of assumptions); protection from bias or the resolution thereof; safety standards and regulations met.
Professional contribution		
Development	Investment in your professional development.	Track record of your professional development, e.g., training, certification, teaching, mentorship, coaching.
Communication	Communicate on the product, work, and profession clearly with technical and non-technical audiences.	The capacity to communicate with business stakeholders, external stakeholders, and the public (e.g., public media, teaching, business meetings, company board).
Knowledge sharing	Share your insights and experience.	Track record of your contribution to the field by coding, video, writing, speaking, or similar.
Personal capacity		
Ethics	Demonstrate commitment in behavior and algorithms to privacy, fairness, and diversity.	Instances where (your) ethical behavior is relevant in teamwork, research, product development, or deployment.
Decision-making	Show the independence of your professional judgment, and take responsibility.	Instances where (your) decision-making is relevant in teamwork, research, product development, or deployment.
Team, including leadership	Be someone that people want to work with again.	Track record of your behavior and teamwork as a senior, lead, principal, manager, and so on.