I – Industry

Dimension	*Industry*
Sub-dimension	*Industry*
Indicator name	*I1: AI firms profile*
Rationale	It measures the level of industrial involvement of a geographical area in the worldwide AI landscape and compares the different firm demographic profiles of AI firms.
Definition	Number of firms in the ecosystem. Distribution of firms categorised by age, size, industry sector and AI-business type.
Unit of measurement	Number of firms (integer), percentage for breakdowns
Geographical coverage	World
Geographical granularity	Macro areas (top countries plus world regions), EU27 Member States
Breakdown	Firm demographics: Industrial sector, Size class, Age group; and core-business type
Data source(s)	JRC AI TES Dataset 2020, available at https://data.jrc.ec.europa.eu/collection/id-0126 See description of the dataset in indicator G1.
Reference date	Period 2009-2020 (one value for the entire period)
Known limitations	Breakdown by firm demographics is limited to the subset of firms for which there is available data in the sources. Coverage varies depending on the macro area, with Asian countries more poorly covered. Population data is inferred based on this subset.
References and Comments	Reference: Samoili S., Righi R., Cardona M., López Cobo M., Vázquez-Prada Baillet M., and De Prato G., TES analysis of AI Worldwide Ecosystem in 2009-2018, EUR 30109 EN, Publications Office of the European Union, Luxembourg, 2020, ISBN 978-92-76-16661-0, doi:10.2760/85212, JRC120106. https://publications.jrc.ec.europa.eu/repository/handle/JRC120106