

Dimension	<i>Societal aspects</i>
Sub-dimension	<i>Diversity in research</i>
Indicator name	<i>S3: Business diversity index</i>
Rationale	We measure diversity in the AI field, to track the representation of researchers from academia vs industry in the research field.
Definition	The diversity indices originate from the study of biodiversity of species in an environment. We consider three different <i>species</i> ($S = 3$) in the business dimension: "academia", "industry" and "research centre". We compute Shannon evenness by means of the Pielou diversity index. For calculating the Business Diversity Index (BDI), we consider three different communities: keynotes (k), authors (a) and organisers (o). The final BDI performs a weighted average among the Pielou index in each community with the following weights: 1/2 for keynotes, 1/3 for authors and 1/5 for organizers.
Unit of measurement	[0, 1] from less to more heterogeneous/diverse
Geographical coverage	World
Geographical granularity	World
Breakdown	This indicator is measured for each scientific conference
Data source(s)	divinAI.org See description of the dataset in indicator S1.
Reference date	2017-2020 (one value per year)
Known limitations	These diversity indexes are computed for each conference.
References and Comments	Reference: Freire, A., Porcaro, L., and Gómez, E., Measuring Diversity of Artificial Intelligence Conferences. https://arxiv.org/abs/2001.07038