

Assessing the Equitable and Sustainable Well-being (Bes) of the Italian Provinces



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Data: Provinces' Bes dataset (2014)

Aims: assessing the Bes at NUTS3 level

First step: exploratory data analysis based on the factor analysis to reduce the high number of indicators.

Results: from 88 indicators to 28 factors

Domains	Factors
Health	F.1 - Life expectancy
	F.2 - Specific-cause mortality
	F.3 - Youth's mortality rate for road accidents
Education and training	F.4 - Level of competences
	F.5 - Participation in higher education
	F.6 - Participation in lifelong learning
Work and life balance	F.7 - Non-participation in the labour market and occupational injuries
	F.8 - Occupational gender gap

Domains	Factors
Economic well-being	F.9 - Income and wealth
	F.10 - Households economic problems
Social relationships	F.11 - Social integration
	F.12 - Disabled pupils enrolled
	F.13 - School accessibility for disabled people
	F.14 - Social cooperatives
Politics and institutions	F.15 - Electoral participation and low political representation of young people
	F.16 - Efficiency of local financial administration
Security	F.17 - Crimes
	F.18 - Road mortality

Domains	Factors
Landscape cultural h.	F.19 - Museums endowment and historical buildings conservation
	F.20 - Presence of urban parks
Environment	F.21 - Pollution and soft mobility
	F.22 - Environmental sustainability
	F.23 - Environmental resources consumption
Research innovation	F.24 - Knowledge diffusion and application
	F.25 - Propensity to patent
Quality of services	F.26 - Public utilities and personal care
	F.27 - Urban public transport services
	F.28 - Prisons overcrowding

Second step: profiles of well-being: clusters of Italian Provinces based on the cluster analysis.

Results: from 110 territorial units to 5 clusters

Geographical distribution of the five clusters

