

Human capital in Spain and its distribution by provinces (1964-2013)

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1 Description of the resource

Since 1994, the Bancaja Foundation and the Ivie have been conducting an extensive research program on human capital measurements in Spain. The regularly updated Ivie database “Human Capital in Spain and its distribution by provinces” is the basis of this program, providing information on the accumulation of human capital in Spain over the last five decades.

The human capital estimates included in this database contain a wide range of information on how education levels in Spain have evolved. Classification is according to the level of studies completed and other human capital indicators. The database includes information for up to the second trimester of 2013. The Human Capital Series includes data at the national level covering the period 1964-2013, as well as provincial (NUTS3) and autonomous community (NUTS2) data covering the period 1977-2013 according to the 17 Spanish autonomous communities, 2 autonomous cities (Ceuta and Melilla) and 50 provinces.

These series present the evolution of the working-age population in relation to occupation by level of education completed. Data are provided for working-age population, economically active population, employed population, and unemployed population. Series for the period 1964-2013 distinguish five levels of education. For the 1977-2013 series, eight levels of education are distinguished. Data on average years of schooling are also available.

Employment data are provided according to branches of activity and levels of education. At both the national and provincial/autonomous communities level, six industries are considered: Agriculture, energy, industry, construction, market services, and non-market services. Total services data are also provided.

The database also includes human capital indicators based on personal characteristics (age, sex, level of education) and the differences in wages associated with them¹. These “economic value of human capital” indicators are provided for the period 1977-2013 for working-age population, economically active population, and total employment. In all cases, data are disaggregated at the provincial and autonomous communities level. These indicators are expressed in terms of the number of equivalent male workers less than 20 years old and with no schooling or only primary schooling (ISCED 1 or less).

Finally, data on foreign working-age population and long-term unemployment, grouped by eight levels of education, for the period 2000-2013 are provided at autonomous

¹Full details of the methodological criteria followed can be found in Metodología para la Estimación de las series de Capital Humano 1964-2013.

Provincias	1977	1978	1979	1980	1981	1982	1983	1984	1985
Almería	11.576	9.430	7.362	8.187	8.663	7.918	6.094	5.851	5.541
Cádiz	15.827	17.509	16.255	14.067	12.528	13.810	11.488	6.081	6.650
Córdoba	16.548	13.965	12.905	12.963	11.755	12.983	12.954	6.862	7.221
Granada	24.517	25.339	21.306	11.878	12.999	16.194	14.681	11.290	8.230
Huelva	10.913	8.498	8.091	8.177	7.588	8.052	7.323	3.903	3.787
Jáen	10.019	10.731	17.131	10.510	12.261	11.553	12.260	7.759	6.866
Málaga	21.643	20.076	16.612	14.481	14.894	12.476	15.730	11.420	14.453
Sevilla	28.322	28.432	25.968	25.097	23.314	21.300	16.787	16.812	15.408
Huesca	995	1.072	890	633	770	704	446	705	1.186
Teruel	654	1.223	994	964	1.056	744	670	426	650
Zaragoza	4.574	4.036	3.936	5.386	2.623	2.363	1.483	1.760	2.319
Asturias	4.426	2.642	3.805	4.439	3.486	1.969	2.189	1.912	2.809
Baleares	11.545	10.455	10.405	10.173	6.270	4.108	3.696	3.288	3.106
Las Palmas	16.306	16.802	16.635	14.987	12.442	11.024	10.349	9.173	9.158
Santa Cruz de Tenerife	16.976	14.863	12.474	12.680	13.624	10.686	8.872	9.054	8.453
Cantabria	1.034	769	1.194	1.119	897	644	371	155	535
Ávila	1.665	2.629	1.922	1.829	871	713	1.133	1.273	1.329
Burgos	1.400	1.601	1.383	1.389	934	870	1.062	683	345
León	4.997	5.483	4.330	3.423	3.401	2.988	3.051	2.882	1.667
Palencia	1.294	1.302	857	588	299	79	299	165	22
Salamanca	2.185	2.347	1.031	1.218	987	1.818	1.076	1.698	1.733
Segovia	1.114	498	515	236	258	271	343	358	322
Soria	230	187	122	274	25	9	37	9	14
Valladolid	2.626	2.652	935	1.221	1.257	483	1.022	1.369	801

Figure 1: An example of the data available

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Human Capital

Within the human capital project undertaken by the Ivie and Bancaja Foundation since 1994, different research has been carried out on the link between economic growth and regional development, labour transition and well-being. The latest studies have analysed how the human capital available in Spain's labour market is used, the benefits obtained from it and the relation between human capital and the activities of entrepreneurs in Spain.

- Dotaciones de capital humano 1964-2013. 50 años de mejoras educativas y transformaciones productivas
- La pobreza en España y sus comunidades autónomas. 2006-2011
- Desarrollo humano en España. 1980-2011
- Observatorio de inserción laboral de los jóvenes españoles. (6ª oleada)
- El desarrollo humano en España y sus Comunidades Autónomas
- Observatorio de la inserción laboral de los jóvenes españoles. quinta oleada
- El capital humano y los emprendedores en España
- El rendimiento del capital humano en España
- Observatorio sobre la inserción laboral de los jóvenes en España. cuarto informe
- La geografía del capital humano en España. niveles educativos y actividad económica de los municipios
- Capital Humano y Desarrollo Humano en España. sus Comunidades Autónomas y Provincias. 1980-2000
- Observatory of the Transition of Young People into the Labour Market. 1996-2002
- Study on human capital and economic activity
- Observatory of the Transition of Young People into the Labour Market 2005

Figure 2: List of the studies available on the web page

communities level. This extensive database, which the Bancaja Foundation and the Ivie have made available to the public, is accompanied by various studies examining the link between human capital and economic growth, regional development, labor market issues and well-being, and also by a number of Human Capital Notes, which summarize the main results obtained in the project². The next database release, which will cover up to 2015, is expected to be published by the second half of 2015.

2 Resource links

- Database: <http://www.ivie.es/en/banco/caphum/series.php>
- Studies: <http://www.ivie.es/en/banco/caphum/estudios.php>
- Human Capital Notes: <http://www.ivie.es/en/pub/div/cch/cch.php>

²Available in Spanish at <http://www.ivie.es/en/banco/caphum/caphum.php>