

|  | Time frame     | Max       | Date         | Min      | Date   | Var. from Max | Last data | Date   | γ/γ    |
|--|----------------|-----------|--------------|----------|--------|---------------|-----------|--------|--------|
| ACTIVITY - SUPPLY :  |                |           |              |          |        |               |           |        |        |
| Housing approvals (Min. Fomento, Aparejadores)                                 | acc. 12 months | 885.181   | Apr.07       | 31.870   | Feb.14 | -96,4%        | 107.559   | May.19 | 10,8%  |
| Approved houses budgets (Mill. €, Min. Fomento, Aparejadores)                  | acc. 12 months | 51.707    | Apr.07       | 3.008    | Feb.14 | -94.2%        | 10.195    | May.19 | 19,6%  |
| Finishing houses certificates (Min. Fomento, Aparejadores)                     | acc. 12 months | 656.733   | Feb.08       | 38.867   | Feb.17 | -94,1%        | 69.137    | May.19 | 19,8%  |
| Stock of new houses to sell (Min. Fomento)                                     | yearly         | 649.780   | 2009         | 459.876  | 2018   | -29,2%        | 459.876   | 2018   | -3,6%  |
| Construction employment (Mill. of workers, Min. Empleo)                        | yearly         | 2,65      | Jun.07       | 0,94     | Jan.14 | -64,5%        | 1,28      | Jul.19 | 4,8%   |
| DEMAND:  |                |           |              |          |        |               |           |        |        |
| House purchase transmisions (INE, Registradores, serie starts in 2007)         | acc. 12 months | 775.300   | Dec.07       | 293.351  | Feb.14 | -62,2%        | 516.377   | Jun.19 | 4,4%   |
| * New houses   | acc. 12 months | 326.382   | Dec.07       | 73.926   | Mar.16 | -77,3%        | 95.448    | Jun.19 | 8,7%   |
| * Second-hand houses   | acc. 12 months | 448.918   | Dec.07       | 162.423  | Feb.14 | -63,8%        | 420.929   | Jun.19 | 3,4%   |
| House purchase transactions (Min. Fomento, Notarios, serie starts in 2004)     | acc. 12 months | 955.186   | 06.Q4        | 300.568  | 13.Q4  | -68,5%        | 585.872   | 19.Q1  | 7,9%   |
| New houses   | acc. 12 months | 421.622   | 07.Q4        | 47.114   | 16.Q4  | -88,8%        | 57.325    | 19.01  | 13,3%  |
| * Second-hand houses   | acc. 12 months | 575.190   | 06.Q1        | 198.119  | 09.Q2  | -65,6%        | 528.547   | 19.01  | 7,4%   |
| Value of house purchase transactions non-subsidised (Mill. €, Notarios)        | acc. 12 months | 160.166   | 07.Q1        | 38.076   | 13.04  | -76,2%        | 83.779    | 19.01  | 13,5%  |
| № of mortgages for house purchase (INE)  | acc. 12 months | 1.354.309 | Aug.06       | 180.554  | May.14 | -86,7%        | 363.004   |        | 10,2%  |
| PRICES :   |                |           |              |          |        |               |           |        |        |
| Appraised value (€/m², Min. Fomento)   | quaterly       | 2.101,4   | 08.01        | 1.455,8  | 14.03  | -30,7%        | 1.636.6   | 19.01  | 4,4%   |
| Housing price index (INE, 2015=100)  | quaterly       | 151,72    | 07.Q3        | 95,21    | 14.01  | -37,2%        | 124,18    | 19.02  | 5,3%   |
| Re-sold houses price index (Col. Registradores, 2005=100)                      | guaterly       | 131,26    | 07.Q3        | 84,84    | 14.04  | -35,4%        | 116,99    | 19.02  | 8,3%   |
| Other approximations to housing value:   |                |           |              |          |        |               |           |        |        |
| * Average amount of new mortgages (INE)  | monthly        | 152.482   | Aug.07       | 94.533   | Apr.13 | -38,0%        | 119.964   | Jun.19 | -3,7%  |
| * Average value of houses purchased non subsidised (Notarios)                  | quaterly       | 190.277   | 07.Q4        | 129.520  | 13.Q1  | -31,9%        | 153.412   | 19.01  | 5,7%   |
| CREDIT:  |                |           |              |          |        |               |           |        |        |
| Loans to households for house purchase (Outstanding stock, Mill. €, B. España) | monthly        | 680.760   | Jul.10       | 518.556  | Jun.19 | -23,8%        | 518.780   | Jun.19 | -1,4%  |
| New loans to household for house purchase (Mill. €, B. España)                 | acc. 12 months | 172.504   | Aug.06       | 21.854   | Dic.13 | -87,3%        | 43.248    | Jun.19 | 4,1%   |
| New loans to household for house purchase (new business, Mill. €, BE)          | acc. 12 months |           | <del>-</del> |          |        |               | 41.794    | Jun.19 | 7,5%   |
| Capital loaned in new mortgaged dwellings (INE, Mill. €)                       | acc. 12 months | 192.214   | May.07       | 18.200   | May.14 | -90,5%        | 45.284    | Jun.19 | 13,9%  |
| Doubtful loans to households for house purchase & renov. ratio (B. España)     | quaterly       | 6,32%     | 14.Q1        | 0,30%    | 04.Q4  |               | 4,07%     | 19.Q1  |        |
| Loans to real estate (Outstanding stock, Mill. €, B. España)                   | quaterly       | 324.664   | 09.Q2        | 87.988   | 18.Q3  | -72,9%        | 87.409    | 19.Q1  | -13,7% |
| BORROWING CONDITIONS :   |                |           |              |          |        |               |           |        |        |
| Interest rate (B. España):   |                |           |              |          |        |               |           |        |        |
| * In loans to housing outstanding stock (TEDR)                                 | monthly        | 5,72%     | Nov.08       | 1,19%    | Mar.18 |               | 1,27%     | Jun.19 |        |
| * In new housing loans (TAE)   | monthly        | 6,21%     | Sep.08       | 2,05%    | Dic.17 |               | 2,26%     | Jun.19 |        |
| * In new housing loans (TEDR)  | monthly        | 6,07%     | Oct.08       | 1,83%    | Dic.17 |               | 2,07%     | Jun.19 |        |
| * In new housing loans (variable, TEDR)  | monthly        | 6,04%     | Oct.08       | 1,48%    | Jun.18 |               | 1,73%     | Jun.19 |        |
| LTV average in new housing loans (B. España)                                   | quaterly       | 64,6%     | 04.Q2        | 55,4%    | 09.Q3  |               | 65,5%     | 19.Q2  |        |
| % of new loans with LTV >80% (B. España)                                       | quaterly       | 18,0%     | 06.Q2        | 10,1%    | 09.Q1  |               | 13,7%     | 19.Q2  |        |
| Average new mortgage term (months, B. España)                                  | quaterly       | 339       | 07.Q3        | 254      | 13.Q2  |               | 284       | 19.Q1  |        |
| AFFORDABILITY:   |                |           |              |          |        |               |           |        |        |
| Housing price / Gross disposable household income (years, B. España)           | quaterly       | 9,0       | 07.Q2        | 6,3      | 15.Q1  |               | 7,5       | 19.Q1  |        |
| Annual affordability (B. España)   | quaterly       | 60,3%     | 08.Q3        | 30,0%    | 13.Q2  |               | 33,5%     | 19.Q1  |        |
| POPULATION AND HOUSEHOLDS  |                | 1         |              |          |        |               | ······    |        |        |
| Yearly variation of population (Data to 01/01/18, INE)                         | yearly         | 884.279   | 2008         | -215.691 | 2014   |               | 276.185   | 2019   |        |
| Household formation (EPA, INE)   | yearly         | 432.400   | 2005         | 33.100   | 2015   |               | 114.900   | 19.02  |        |



New mortgages for house purchase (acc. 12 months to june 2019)

|                             | Nun          | nber           | Am        | ount           | Average a         | mount         |
|-----------------------------|--------------|----------------|-----------|----------------|-------------------|---------------|
|                             | N°           | y/y            | Mill. €   | у/у            | Euros             | у/у           |
| Andalucía                   | 68.814       | 9,2%           | 7.359     | 14,7%          | 106.935           | 5,1%          |
| Almería                     | 6.105        | 24,0%          | 531       | 42,4%          | 86.933            | 14,8%         |
| Cádiz                       | 9.369        | 5,5%           | 915       | 9,7%           | 97.682            | 4,0%          |
| Córdoba                     | 5.279        | 11,2%          | 491       | 11,0%          | 93.029            | -0,2%         |
| Granada                     | 7.168        | 4,8%           | 663       | 9,2%           | 92.544            | 4,1%          |
| Huelva                      | 4.381        | 26,0%          | 360       | 29,9%          | 82.173            | 3,1%          |
| Jaén                        | 3.436        | 3,5%           | 268       | 6,6%           | 77.886            | 3,0%          |
| Málaga                      | 18.838       | 3,7%           | 2.613     | 12,9%          | 138.718           | 8,9%          |
| Sevilla                     | 14.238       | 12,3%          | 1.517     | 15,3%          | 106.580           | 2,6%          |
| Aragón                      | 9.082        | 0,4%           | 903       | -0,1%          | 99.437            | -0,5%         |
| Huesca                      | 1.435        | 3,4%           | 123       | 3,0%           | 85.820            | -0,4%         |
| Teruel                      | 654          | 10,5%          | 62        | 38,7%          | 95.477            | 25,5%         |
| Zaragoza                    | 6.993        | -1,0%          | 717       | -3,0%          | 102.602           | -2,0%         |
| Asturias                    | 6.635        | 13,8%          | 628       | 16,0%          | 94.702            | 1,9%          |
| Baleares                    | 10.525       | -0,9%          | 1.750     | -0,7%          | 166.255           | 0,2%          |
| Canarias                    | 13.326       | -5,1%          | 1.292     | 2,4%           | 96.970            | 7,9%          |
| Las Palmas                  | 7.042        |                | 675       |                | 95.815            |               |
|                             |              | 2,3%           |           | 5,3%           |                   | 3,0%          |
| Tenerife                    | 6.284        | -12,2%         | 617       | -0,7%          | 98.265            | 13,1%         |
| Cantabria                   | 3.980        | 8,9%           | 410       | 5,9%           | 103.087           | -2,7%         |
| - León                      | 13.336       | 8,4%           | 1.235     | 11,2%          | 92.584            | 2,6%          |
| Ávila                       | 685          | 8,7%           | 55        | 7,4%           | 80.745            | -1,2%         |
| Burgos                      | 2.411        | 3,9%           | 235       | 9,3%           | 97.362            | 5,3%          |
| León                        | 2.167        | 15,0%          | 184       | 10,0%          | 84.968            | -4,3%         |
| Palencia                    | 759          | 7,1%           | 68        | 16,5%          | 90.141            | 8,8%          |
| Salamanca                   | 1.792        | 11,9%          | 169       | 7,1%           | 94.323            | -4,3%         |
| Segovia                     | 945          | 13,9%          | 91        | 16,2%          | 95.921            | 2,1%          |
| Soria                       | 454          | 18,5%          | 38        | 17,0%          | 83.793            | -1,3%         |
| Valladolid                  | 3.469        | 5,3%           | 342       | 14,2%          | 98.722            | 8,4%          |
| Zamora                      | 654          | -0,2%          | 52        | 4,4%           | 79.393            | 4,5%          |
| C - Mancha                  | 13.514       | 13,5%          | 1.194     | 14,0%          | 88.322            | 0,5%          |
| Albacete                    | 2.335        | -0,5%          | 215       | 1,5%           | 92.271            | 2,0%          |
| Ciudad Real                 | 2.269        | 25,5%          | 175       | 26,3%          | 77.018            | 0,6%          |
| Cuenca                      | 883          | 4,7%           | 67        | 3,8%           | 75.940            | -0,9%         |
| Guadalajara                 | 2.631        | 2,1%           | 273       | 4,5%           | 103.681           | 2,4%          |
| Toledo                      | 5.396        | 24,6%          | 464       | 25,1%          | 85.903            | 0,4%          |
| Cataluña                    | 60.481       | 12,4%          | 8.895     | 15,5%          | 147.078           | 2,7%          |
| Barcelona                   | 45.816       | 12,1%          | 7.331     | 15,9%          | 160.019           | 3,4%          |
| Gerona                      | 6.216        | 12,4%          | 784       | 15,5%          | 126.110           | 2,8%          |
| Lérida                      | 2.205        | 20,9%          | 195       | 17,4%          | 88.238            | -2,9%         |
| Tarragona                   | 6.244        | 12,4%          | 586       | 10,7%          | 93.777            | -1,4%         |
| C. Valenciana               | 39.758       | 13,5%          | 3.725     | 21,1%          | 93.693            | 6,7%          |
| Alicante                    | 16.027       | 14,0%          | 1.556     | 23,6%          | 97.077            | 8,4%          |
| Castellón                   | 4.389        | 18,1%          | 336       | 18,2%          | 76.653            | 0,1%          |
| Valencia                    | 19.342       | 12,2%          | 1.833     | 19,7%          | 94.756            | 6,7%          |
| Extremadura                 | 5.794        | 15,3%          | 459       | 19,7%          | 79.234            | 3,8%          |
|                             |              |                |           | -              |                   |               |
| Badajoz                     | 3.856        | 15,2%          | 301       | 18,7%          | 78.136            | 3,0%          |
| Cáceres                     | 1.938        | 15,6%          | 158       | 21,7%          | 81.420            | 5,2%          |
| Salicia<br>La Coruña        | 11.415       | 0,7%           | 1.137     | 4,3%           | 99.562            | 3,6%          |
| La Coruña                   | 5.272        | -0,5%          | 537       | 2,4%           | 101.836           | 2,9%          |
| Lugo                        | 1.029        | 0,0%           | 74        | -5,7%          | 71.671            | -5,7%         |
| Orense                      | 951          | 4,2%           | 85        | 8,3%           | 88.999            | 3,9%          |
| Pontevedra                  | 4.163        | 1,6%           | 441       | 7,8%           | 105.989           | 6,1%          |
| . de Madrid                 | 71.691       | 17,2%          | 12.124    | 17,0%          | 169.108           | -0,2%         |
| Murcia                      | 8.580        | 5,3%           | 722       | 12,1%          | 84.099            | 6,5%          |
| Navarra                     | 4.654        | 8,3%           | 521       | 14,2%          | 111.871           | 5,4%          |
| País Vasco                  | 18.228       | 6,1%           | 2.620     | 12,0%          | 143.720           | 5,6%          |
| Álava                       | 2.733        | -3,4%          | 340       | 7,9%           | 124.540           | 11,6%         |
| Vizcaya                     | 9.287        | 4,2%           | 1.310     | 7,3%           | 141.010           | 3,0%          |
| Guipúzcoa                   | 6.208        | 14,1%          | 970       | 20,7%          | 156.219           | 5,7%          |
| aaipozcoa                   | 0.200        |                |           |                |                   |               |
| a Rinia                     | 2 4 4 2      | 11 204         | 220       | 21 /10/        | 80015             |               |
| .a Rioja<br>Ceuta y Melilla | 2.443<br>748 | 11,8%<br>-7,7% | 220<br>92 | 21,4%<br>-9,6% | 89.915<br>123.051 | 8,6%<br>-2,1% |

Source: INE, Registradores de la Propiedad and Bankia Estudios

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