## Transporte de viajeros de cercanías

### Transporte realizado en los servicios de cercanías Renfe sobre la red de ancho ibérico 2002-2021

<table>
<thead>
<tr>
<th>Año</th>
<th>Viajeros</th>
<th>Mill. viajeros x km</th>
<th>Millones € corr.</th>
<th>Km / viajero</th>
<th>Ingreso por viajero</th>
<th>€ corr. / viajero.km</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>439,606</td>
<td>7.775</td>
<td>310,46</td>
<td>17,69</td>
<td>0,71</td>
<td>3,99</td>
</tr>
<tr>
<td>2003</td>
<td>444,846</td>
<td>8,031</td>
<td>323,37</td>
<td>18,05</td>
<td>0,73</td>
<td>4,03</td>
</tr>
<tr>
<td>2004</td>
<td>439,746</td>
<td>7,995</td>
<td>332,66</td>
<td>18,18</td>
<td>0,76</td>
<td>4,16</td>
</tr>
<tr>
<td>2005</td>
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<td>8,417</td>
<td>361,46</td>
<td>18,37</td>
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<td>4,29</td>
</tr>
<tr>
<td>2006</td>
<td>466,582</td>
<td>8,556</td>
<td>386,87</td>
<td>18,34</td>
<td>0,83</td>
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<tr>
<td>2007</td>
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<td>385,52</td>
<td>18,16</td>
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<td>4,65</td>
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<tr>
<td>2008</td>
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<td>4,70</td>
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<tr>
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<td>394,48</td>
<td>18,39</td>
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### Datos básicos de los servicios de cercanías prestados por Renfe 2002-2010

<table>
<thead>
<tr>
<th>Año</th>
<th>Plazas km ofertadas</th>
<th>Plazas por km</th>
<th>Millones plazas.km</th>
<th>Ptas. km / año</th>
<th>Mill. Ptas. km / año</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>20,840</td>
<td>0,60</td>
<td>12,28</td>
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<tr>
<td>2003</td>
<td>21,252</td>
<td>0,61</td>
<td>12,85</td>
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<td>31,47</td>
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<tr>
<td>2004</td>
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<td>0,58</td>
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<td>55,510</td>
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<td>0,55</td>
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<td>0,53</td>
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<tr>
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<tr>
<td>2008</td>
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<td>0,49</td>
<td>14,43</td>
<td>62,333</td>
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<tr>
<td>2009</td>
<td>24,017</td>
<td>0,47</td>
<td>14,84</td>
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<td>34,71</td>
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<tr>
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### Transporte de viajeros de cercanías

Transportado por Renfe en servicios de cercanías sobre la red de ancho ibérico 2002-2021

<table>
<thead>
<tr>
<th>Año</th>
<th>Trenes.km año</th>
<th>Millones € corr.</th>
<th>€ corr. / viajero.km</th>
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<tbody>
<tr>
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<td>54,515</td>
<td>310,46</td>
<td>5,60</td>
</tr>
<tr>
<td>2003</td>
<td>54,836</td>
<td>323,37</td>
<td>5,55</td>
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<tr>
<td>2004</td>
<td>55,510</td>
<td>332,66</td>
<td>5,51</td>
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<td>2005</td>
<td>57,796</td>
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<td>2006</td>
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<td>386,87</td>
<td>5,94</td>
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<tr>
<td>2007</td>
<td>59,832</td>
<td>394,77</td>
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<tr>
<td>2008</td>
<td>59,995</td>
<td>394,02</td>
<td>5,76</td>
</tr>
<tr>
<td>2009</td>
<td>59,233</td>
<td>394,48</td>
<td>5,70</td>
</tr>
<tr>
<td>2010</td>
<td>59,430</td>
<td>394,94</td>
<td>5,69</td>
</tr>
<tr>
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<td>-------</td>
</tr>
<tr>
<td></td>
<td>412,482</td>
<td>409,835</td>
<td>402,115</td>
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<td></td>
<td>7,521</td>
<td>7,468</td>
<td>7,325</td>
</tr>
<tr>
<td></td>
<td>415,460</td>
<td>443,18</td>
<td>449,64</td>
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<td>805,96</td>
<td>803,79</td>
<td>761,96</td>
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<tr>
<td></td>
<td>18,23</td>
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<tr>
<td></td>
<td>1,01</td>
<td>1,08</td>
<td>1,12</td>
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<tr>
<td></td>
<td>5,52</td>
<td>5,93</td>
<td>6,14</td>
</tr>
<tr>
<td></td>
<td>1,10</td>
<td>1,08</td>
<td>1,05</td>
</tr>
<tr>
<td></td>
<td>6,06</td>
<td>6,38</td>
<td>6,43</td>
</tr>
<tr>
<td></td>
<td>60,126</td>
<td>60,755</td>
<td>61,044</td>
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<tr>
<td></td>
<td>24,005</td>
<td>23,936</td>
<td>23,876</td>
</tr>
<tr>
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<td>399</td>
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</tr>
<tr>
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<td>120,0</td>
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</table>

Datos básicos de los servicios de cercanías prestados por Renfe 2011-2021
Basic data of commuter rail services provided by Renfe 2011-2021
SOLUCIONES E INGENIERÍA

FABRICACIÓN
- Mangueras electro-ópticas de mando, control y potencia.
- Retrofit de mangueras de alimentación y potencia para talleres de mantenimiento.
- Master controllers de tracción/freno y selección de velocidad prefijada.
- Cableados de comunicación para señalización y seguridad ferroviaria.
- Trenzas de masa.
- Reparación y calibración de herramientas crimpadoras.

COMPONENTES
- Conectores eléctricos profesionales.
- Fundas de protección mecánica y térmica.
- Faros de led para posicionamiento luminoso de testero.
- Contactores de potencia para VDC.
- Herramientas de inserción, extracción y crimpado profesionales.
- Sistemas de identificación y etiquetado.
- Conectores según normas UIC (541-552-568).
- Cables cero halógenos, baja emisión de humos, auto extinguibles.
- Bajo las certificaciones más rigurosas del sector, EN45545-2 nivel HL1 HL2 HL3 y requerimiento R22 y R234, certificación NFPA130, etc...

INTEGRACIÓN
- Pupitres de conducción totalmente terminados.
- Paneles indicadores luminosos.
- Faros de led para posicionamiento luminoso de testero.
- Elementos de accionamiento para pupitres de conducción.
- Elementos de alumbrado de pupitre.
- Componentes del sistema de Hombre Muerto.
- Modernización de cableados eléctricos.
- Realización de pruebas eléctricas.
### Renfe commuter rail traffic per stations 2011-2021

#### Estación de viajeros de cercanías Renfe subidos y bajados por estaciones 2011-2013

<table>
<thead>
<tr>
<th></th>
<th>2011 Viajeros</th>
<th>2012 Viajeros</th>
<th>2013 Viajeros</th>
<th>2013 (incluyen transbordos) Viajeros</th>
</tr>
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<tbody>
<tr>
<td>Sant</td>
<td>19.634.960</td>
<td>20.092.678</td>
<td>21.235.961</td>
<td>23.466.918</td>
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<tr>
<td>Chamartín</td>
<td>15.312.444</td>
<td>19.714.374</td>
<td>19.843.259</td>
<td>23.159.128</td>
</tr>
<tr>
<td>Parla</td>
<td>10.769.210</td>
<td>10.95.93</td>
<td>10.679.447</td>
<td>11.798.264</td>
</tr>
<tr>
<td>Fuenlabrada</td>
<td>10.578.577</td>
<td>10.575.814</td>
<td>10.530.431</td>
<td>10.574.074</td>
</tr>
<tr>
<td>Embajadores</td>
<td>8.461.675</td>
<td>8.601.387</td>
<td>9.137.382</td>
<td>10.175.603</td>
</tr>
<tr>
<td>Móstoles</td>
<td>8.300.553</td>
<td>8.444.087</td>
<td>8.823.200</td>
<td>10.047.405</td>
</tr>
<tr>
<td>Getafe Centro</td>
<td>8.134.040</td>
<td>8.315.703</td>
<td>8.816.733</td>
<td>8.876.565</td>
</tr>
<tr>
<td>Recoletos</td>
<td>7.999.737</td>
<td>8.284.503</td>
<td>8.589.975</td>
<td>8.808.930</td>
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<tr>
<td>Leganés</td>
<td>7.744.179</td>
<td>7.975.164</td>
<td>8.456.374</td>
<td>8.637.876</td>
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<tr>
<td>Alcalá de H.</td>
<td>7.623.991</td>
<td>7.731.596</td>
<td>8.351.019</td>
<td>8.479.610</td>
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<tr>
<td>Villaverde Alto</td>
<td>7.381.260</td>
<td>7.603.829</td>
<td>8.129.360</td>
<td>8.331.911</td>
</tr>
<tr>
<td>Príncipe Pío</td>
<td>7.245.095</td>
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<td>7.837.850</td>
<td>8.188.180</td>
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<td>6.455.812</td>
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<td>Asamb.-Entrevías</td>
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<td>5.916.470</td>
<td>6.238.338</td>
<td>6.426.853</td>
</tr>
<tr>
<td>Cantoblanco Univ.</td>
<td>5.842.435</td>
<td>5.861.066</td>
<td>6.133.248</td>
<td>6.281.206</td>
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<tr>
<td>Vicálvaro</td>
<td>5.840.095</td>
<td>5.764.387</td>
<td>5.972.440</td>
<td>6.178.943</td>
</tr>
<tr>
<td>Bilbao-Abando</td>
<td>5.699.638</td>
<td>5.708.033</td>
<td>5.682.661</td>
<td>6.025.859</td>
</tr>
<tr>
<td>Torrejón de A.</td>
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<td>5.397.002</td>
<td>5.627.802</td>
<td>5.993.690</td>
</tr>
<tr>
<td>El Clot Aragó</td>
<td>5.456.515</td>
<td>5.232.257</td>
<td>5.540.536</td>
<td>5.938.711</td>
</tr>
</tbody>
</table>

| 30 primeras | 314.212.989 | 320.589.687 | 333.958.325 | 408.049.021 |
| Resto viajeros | 371.270.079 | 379.842.188 | 384.765.734 | 396.200.259 |
| Total viajeros | 685.483.068 | 700.431.875 | 718.724.059 | 804.249.280 |
...Tráfico de viajeros de cercanías Renfe subidos y bajados por estaciones 2014-2017

Renfe commuter rail traffic of passengers who got on and off the trains per stations 2014-2017

<table>
<thead>
<tr>
<th>Estación</th>
<th>2014</th>
<th>Estación</th>
<th>2015</th>
<th>Estación</th>
<th>2016</th>
<th>Estación</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atocha Cercanías</td>
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<td>Atocha Cercanías</td>
<td>89.277.457</td>
<td>Atocha Cercanías</td>
<td>91.450.200</td>
<td>Atocha Cercanías</td>
<td>94.568.871</td>
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<td>29.710.772</td>
<td>Nuevos Ministerios</td>
<td>33.037.350</td>
<td>Nuevos Ministerios</td>
<td>33.759.600</td>
<td>Nuevos Ministerios</td>
<td>35.137.302</td>
</tr>
<tr>
<td>Sants</td>
<td>26.861.631</td>
<td>Sants</td>
<td>27.139.071</td>
<td>Sants</td>
<td>27.516.000</td>
<td>Sants</td>
<td>29.817.319</td>
</tr>
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<td></td>
</tr>
<tr>
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<td>12.743.043</td>
<td>Méndez Álvaro</td>
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<td>Méndez Álvaro</td>
<td>14.939.300</td>
<td>Méndez Álvaro</td>
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<td>Getafe Centro</td>
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<td>Getafe Centro</td>
<td>8.709.400</td>
<td>Fuenlabrada</td>
<td>9.146.038</td>
</tr>
<tr>
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<td>8.594.095</td>
<td>Recoletos</td>
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<td>8.481.400</td>
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<tr>
<td>Recoletos</td>
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<td>8.094.500</td>
<td>Cantoblanco Univ.</td>
<td>8.303.805</td>
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<td>Embajadores</td>
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<td>Alcalá de H.</td>
<td>7.146.600</td>
<td>Alcalá de H.</td>
<td>7.413.787</td>
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<tr>
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<td>Vallecas</td>
<td>6.738.093</td>
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<td>6.803.100</td>
<td>El Clot Aragó</td>
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<td>Bilbao-Abando</td>
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<td>Asamb.-Entrevías</td>
<td>6.443.900</td>
<td>Vallecas</td>
<td>6.873.000</td>
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<td>Coslada</td>
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<td>Coslada</td>
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<td>Coslada</td>
<td>6.388.369</td>
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<td>Vicálvaro</td>
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<tr>
<td>La Serna</td>
<td>5.769.643</td>
<td>Arc de Triomf</td>
<td>5.571.877</td>
<td>Arc de Triomf</td>
<td>5.540.100</td>
<td>Bilbao-Abando</td>
<td>5.819.726</td>
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<tr>
<td>30 primeras</td>
<td>404.512.632</td>
<td>30 primeras</td>
<td>407.002.176</td>
<td>30 primeras</td>
<td>416.680.300</td>
<td>30 primeras</td>
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<td>Resto viajeros</td>
<td>392.394.573</td>
<td>Resto viajeros</td>
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<td>Total viajeros</td>
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<td>Total viajeros</td>
<td>804.614.400</td>
<td>Total viajeros</td>
<td>834.575.502</td>
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### Renfe Commuter Rail Traffic of Passengers Who Got On and Off the Trains Per Stations 2018-2021

<table>
<thead>
<tr>
<th>Station</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
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<td>97,071,418</td>
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<td>20,288,070</td>
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<tr>
<td>Sants</td>
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<td>30,924,316</td>
<td>15,662,753</td>
<td>18,835,522</td>
</tr>
<tr>
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<td>26,311,162</td>
<td>26,660,533</td>
<td>14,399,612</td>
<td>16,700,741</td>
</tr>
<tr>
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<td>26,207,842</td>
<td>25,496,030</td>
<td>13,626,463</td>
<td>16,534,127</td>
</tr>
<tr>
<td>Plaça de Catalunya</td>
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<td>19,366,628</td>
<td>10,037,071</td>
<td>12,939,776</td>
</tr>
<tr>
<td>Méndez Álvaro</td>
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<td>15,365,234</td>
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<td>874,262,350</td>
<td>469,488,228</td>
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Tráfico de viajeros de cercanías Renfe subidos y bajados por estaciones 2021
Renfe commuter rail traffic of passengers who got on and off the trains per stations 2021

Millones de viajeros (subidos y bajados)

Mv: miles. viajeros/año
### Tráfico de cercanías Renfe por ciudades 2011-2021

**Renfe commuter rail traffic per cities 2011-2021**

<table>
<thead>
<tr>
<th>Ciudad</th>
<th>2011 Viajeros</th>
<th>2012 Viajeros</th>
<th>2013 Viajeros</th>
<th>2013 (incluyen transbordos) Viajeros</th>
</tr>
</thead>
<tbody>
<tr>
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<td>220.152.132</td>
<td>231.204.417</td>
<td>299.275.823</td>
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<tr>
<td>Barcelona</td>
<td>68.238.301</td>
<td>67.277.359</td>
<td>79.594.476</td>
<td>83.197.585</td>
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<tr>
<td>Fuenlabrada</td>
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<td>15.568.979</td>
<td>15.904.688</td>
<td>15.436.695</td>
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<tr>
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<td>11.827.508</td>
<td>11.567.017</td>
<td>11.798.264</td>
</tr>
<tr>
<td>Alcorcón</td>
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<td>10.728.905</td>
<td>11.195.756</td>
<td>11.195.251</td>
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<td>10.676.918</td>
<td>11.11.408</td>
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<tr>
<td>Sevilla</td>
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<td>9.604.632</td>
<td>7.541.427</td>
<td>7.809.646</td>
</tr>
<tr>
<td>El Prat de Ll.</td>
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<td>7.802.138</td>
<td>6.923.333</td>
<td>7.243.366</td>
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<tr>
<td>Sabadell</td>
<td>6.183.925</td>
<td>5.999.340</td>
<td>5.972.440</td>
<td>6.622.007</td>
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<tr>
<td>Coslada</td>
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<td>5.993.186</td>
<td>5.972.440</td>
<td>6.455.812</td>
</tr>
<tr>
<td>L'Hospitalet de Ll.</td>
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<td>5.708.033</td>
<td>5.809.632</td>
<td>5.993.690</td>
</tr>
<tr>
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<td>5.386.039</td>
<td>5.638.460</td>
<td>5.939.008</td>
</tr>
<tr>
<td>Oviedo</td>
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<td>5.767.975</td>
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<td>Granollers</td>
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<td>5.046.063</td>
<td>5.216.601</td>
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<tr>
<td>Pozuelo de A.</td>
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<td>5.162.524</td>
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<tr>
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<td>3.422.257</td>
<td>4.080.120</td>
<td>4.156.118</td>
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<tr>
<td>Cedanyola del V.</td>
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*30 primeras 501.144.867 30 primeras 499.380.788 30 primeras 530.546.227 30 primeras 606.989.571

Resto viajeros 184.338.201 Resto viajeros 199.406.466 Resto viajeros 233.413.765 Resto viajeros 197.259.709

Total viajeros 685.483.068 Total viajeros 698.787.434 Total viajeros 763.959.992 Total viajeros 804.249.280
### Tráfico de viajeros de cercanías Renfe subidos y bajados por ciudades 2014-2017

<table>
<thead>
<tr>
<th>Ciudad</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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</thead>
<tbody>
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<td>14,621,763</td>
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<tr>
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</table>
...Tráfico de viajeros de cercanías Renfe subidos y bajados por ciudades 2018-2021

<table>
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<th>Ciudad</th>
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<th>2020</th>
<th>2021</th>
<th>2021</th>
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<td>Parla</td>
<td>12.192.132</td>
<td>Parla</td>
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<tr>
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<td>4.516.396</td>
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<td>30 primeras</td>
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NOTA: a partir de 2013 se incluyen los viajeros que efectúan transbordo
Tráfico de viajeros de cercanías Renfe subidos y bajados por ciudades 2021
Renfe commuter rail traffic of passengers who got on and off the trains per cities 2021
Evolución del parque de material rodante de Renfe para servicios de cercanías (2013-2021)

_Evolution of Renfe’s rolling stock fleet for commuter rail services (2013-2021)_

Parque de material de cercanías de Renfe (2013-2021)

_Renfe’s commuter rail fleet (2013-2021)_

<table>
<thead>
<tr>
<th>Arquitectura</th>
<th>Tensión de electrificación</th>
<th>Ancho de vía (m)</th>
<th>Potencia (kW)</th>
<th>Plazas</th>
<th>Velocidad máxima (km/h)</th>
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<td>2.400</td>
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<td>4/12</td>
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</tr>
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For more information, please contact:

Mr. Gaspar Acosta Flaqué
Tel.: 00 34 938 74 54 30
Mobile: 00 34 646 58 58 05
E-mail: gaspar@acosta-ing.com
Skype: gaspar.acosta
www.acosta-ing.com
Quality Track Products & Infrastructure Solutions

- Fastening systems.
- Clips SKL1, SKL3, SKL12...
- Screws.
- T-Bolts.
- Rail pads.
- Dowels.

- Glued Insulated Joints Kit
- Glass-fiber reinforced polyester Kit
- All rail types
- 4 or 6 holes
- Glue with short curing time less 1 hour

- Steel fishplates.
- All rail types.
- 4 or 6 holes.

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www.acosta-ing.com
Núcleos de cercanías Renfe
Renfe’s commuter rail hubs

Viajeros de cercanías Renfe 2021 por núcleos. Miles de viajeros
Renfe commuter rail passengers per hubs. Thousands of passengers

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<tr>
<td>Madrid</td>
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<td>227.804</td>
<td>232.885</td>
<td>241.628</td>
<td>255.315</td>
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<td>137.099</td>
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<td>7.482</td>
<td>7.314</td>
<td>7.620</td>
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<td>7.734</td>
<td>3.916</td>
<td>4.646</td>
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<td>5.138</td>
<td>4.946</td>
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<td>4.701</td>
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<td>3.477</td>
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<td>1.647</td>
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<td>Cantabria</td>
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<td>639</td>
<td>636</td>
<td>623</td>
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<td>498</td>
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<td>Zaragoza</td>
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<td>297</td>
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<td><strong>Total</strong></td>
<td>397.903</td>
<td>396.636</td>
<td>402.307</td>
<td>417.288</td>
<td>434.453</td>
<td>437.131</td>
<td>234.744</td>
<td>279.508</td>
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Núcleos de cercanías Renfe 2021 y viajeros anuales. Millones de viajeros
Renfe commuter rail hubs and annual passengers. Millions of passengers
### Datos básicos de los servicios de cercanías Renfe Métrica 2011-2021  
*Basic data of Renfe Métrica commuter rail services 2011-2021*

<table>
<thead>
<tr>
<th></th>
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<td>Miles de viajeros.km</td>
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<td>146,5</td>
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<td>9,96</td>
<td>9,42</td>
<td>9,23</td>
<td>9,07</td>
<td>8,28</td>
<td>7,01</td>
<td>8,00</td>
<td>5,07</td>
<td>11,6</td>
<td>5,87</td>
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<td>Recorrido medio por viajero</td>
<td>Kms./viajero</td>
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<td>18,3</td>
<td>18,4</td>
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<td>16,5</td>
<td>16,4</td>
<td>16,3</td>
<td>16,5</td>
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<td>1,25</td>
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<td>Ingreso por v.km (€ corrientes)</td>
<td>C. € cor./v.km</td>
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<td>6,80</td>
<td>6,84</td>
<td>6,78</td>
<td>7,45</td>
<td>7,43</td>
<td>6,53</td>
<td>7,73</td>
<td>7,55</td>
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<td>Plazas.km ofertadas</td>
<td>Millones plazas.km</td>
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<td>21,8</td>
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<td>16,13</td>
<td>15,77</td>
<td>11,01</td>
<td>12,03</td>
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### Líneas con servicio cercanías Renfe Métrica  
*Lines with Renfe Métrica commuter rail service*

- Galicia: C1 Orteigueira - Ferrol, C4 Cartagena - Los Nietos
- Asturias: C1 León - Guardo, C3 Santander - Liérganes
- Cantabria: C2 Santander - Cabezón de la Sal
- País Vasco: C4 Balmaseda, C4 Bilbao - Balmaseda
- León: C1 León - Guardo
- Murcia: C4 Cartagena - Los Nietos
### Cercanías Euskotren

#### Datos básicos de los servicios de cercanías Euskotren 2011-2021

**Basic data of Euskotren commuter rail services 2011-2021**

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<td>Km / viajero</td>
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<td>€ cor. / viajero</td>
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<td>C. € cor. / viajero.km</td>
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<td>4,12</td>
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<td>Millones plazas.km</td>
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<td>2.099</td>
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<td>Plazas / tres.km</td>
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<td>% v.km / pl.km</td>
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<td>20,12</td>
<td>22,12</td>
<td>20,11</td>
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<td>19,14</td>
<td>20,40</td>
<td>27,71</td>
<td>17,64</td>
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<tr>
<td>Viajeros por tren</td>
<td>V.km / tres.km</td>
<td>62,03</td>
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<td>75,21</td>
<td>54,77</td>
<td>65,29</td>
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#### Líneas con servicio Euskotren

**Lines with Euskotren service**

- **E1** Bilbao - San Sebastián
- **E2** Lasarte - Hendaya
- **E3** Kukullaga - Lezama
- **E4** Bilbao - Bermeo

---

1. Datos del año 2021 no son comparables debido a cambios en la metodología de recopilación de datos.
50 años
al servicio
del ferrocarril
Cercanías FGC Ferrocarrils de la Generalitat de Catalunya

FGC commuter rail

Transporte realizado en servicios de cercanías FGC 2011 - 2021
Transport performed in FGC commuter rail services 2011 - 2021

Datos básicos en las líneas FGC 2011-2021
Basic data in FGC lines 2011-2021

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</tr>
</thead>
<tbody>
<tr>
<td>Viajeros</td>
<td>Mill. de viajeros</td>
<td>80,464</td>
<td>74,950</td>
<td>81,463</td>
<td>77,185</td>
<td>80,650</td>
<td>81,506</td>
<td>81,549</td>
<td>87,424</td>
<td>91,305</td>
<td>-47,461</td>
<td>88,519</td>
</tr>
<tr>
<td>Viajeros.kilómetro</td>
<td>Mill. de viajeros km</td>
<td>812,6</td>
<td>777,9</td>
<td>802,4</td>
<td>833,4</td>
<td>877,3</td>
<td>930,4</td>
<td>971,6</td>
<td>991,8</td>
<td>505,9</td>
<td>652,9</td>
<td></td>
</tr>
<tr>
<td>Ingresos sin subvenciones</td>
<td>€ con o sin IVA ni tasa seg.</td>
<td>45,42</td>
<td>47,23</td>
<td>48,27</td>
<td>50,67</td>
<td>52,83</td>
<td>55,14</td>
<td>57,43</td>
<td>61,26</td>
<td>73,46</td>
<td>77,15</td>
<td>46,12</td>
</tr>
</tbody>
</table>

Recorrido medio por viajero
Km / viajero | 10,10 | 10,38 | 10,44 | 10,40 | 10,46 | 10,76 | 11,01 | 11,11 | 10,86 | 10,62 | 10,67 |

Ingreso por viajero
€ con / sin IVA | 0,81 | 0,90 | 0,90 | 0,93 | 0,91 | 0,92 | 0,92 | 0,93 | 0,80 | 0,78 | 0,75 |

Ingreso por v.km (€ corrientes)
Km / viajero | 8,05 | 8,64 | 8,67 | 8,93 | 8,74 | 8,56 | 8,32 | 8,36 | 7,41 | 7,34 | 7,06 |

Ingreso por v.km (€ 2021)
Sin IVA | 8,33 | 9,29 | 9,08 | 9,33 | 9,25 | 9,10 | 8,58 | 8,58 | 7,53 | 7,38 | 7,06 |

Trenes.km año
Mill. | 9,483 | 9,890 | 9,490 | 9,519 | 9,599 | 9,823 | 9,890 | 9,918 | 9,310 | 8,922 | 9,271 |

Plazas.km ofertadas
Millones plazas.km | 1,751 | 1,536 | 1,441 | 1,546 | 1,666 | 1,769 | 1,899 | 1,987 | 2,014 | 2,111 | 2,013 |

Plazas por tren
Mill. / trenes.km | 396 | 397 | 405 | 416 | 426 | 427 | 447 | 428 | 432 | 441 | 433 |

Aprovechamiento
% de km / km | 21,66 | 22,02 | 22,89 | 22,63 | 22,73 | 22,28 | 22,70 | 24,37 | 24,71 | 24,01 | 16,27 |

Viajeros por tren
Mill. / trenes.km | 45,70 | 47,40 | 42,77 | 44,21 | 47,92 | 49,95 | 101,4 | 104,37 | 106,64 | 61,76 | 70,43 |

Líneas con servicio de FGC
Lines with FGC service

Anuario del Ferrocarril 2023 Spanish Railway Yearbook
Mantenimiento integral de material rodante, instalación de equipos embarcados, reparación de componentes electrónicos, revisión de componentes mecánicos y señalización y control de tráfico ferroviario.

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