

PROYECCIÓN DE POBLACIÓN "CASCO URBANO"

| AÑO | CENSO |
|------|-------|
| 1995 | 9762 |
| 2005 | 14007 |

| Año | P. Aritmética | P. Geométrica | | P. Exponencial | | POBLACIÓN FLOTANTE | TOTAL | TOTAL SECTORIZADA |
|------|---------------|---------------|-----------|----------------|-----------|--------------------|-------|-------------------|
| | | R | POBLACIÓN | K | POBLACIÓN | | | |
| 2018 | 19526 | 0.037 | 22397 | 0.036 | 22397 | 5356 | 27753 | 9251 |
| 2019 | 19950 | 0.037 | 23221 | 0.036 | 23221 | 5550 | 28770 | 9590 |
| 2020 | 20375 | 0.037 | 24074 | 0.036 | 24074 | 5750 | 29824 | 9941 |
| 2021 | 20799 | 0.037 | 24959 | 0.036 | 24959 | 5957 | 30917 | 10306 |
| 2022 | 21224 | 0.037 | 25877 | 0.036 | 25877 | 6173 | 32050 | 10683 |
| 2023 | 21648 | 0.037 | 26829 | 0.036 | 26829 | 6395 | 33224 | 11075 |
| 2024 | 22073 | 0.037 | 27815 | 0.036 | 27815 | 6626 | 34441 | 11480 |
| 2025 | 22497 | 0.037 | 28838 | 0.036 | 28838 | 6866 | 35703 | 11901 |
| 2026 | 22922 | 0.037 | 29898 | 0.036 | 29898 | 7113 | 37011 | 12337 |
| 2027 | 23346 | 0.037 | 30997 | 0.036 | 30997 | 7370 | 38367 | 12789 |
| 2028 | 23771 | 0.037 | 32137 | 0.036 | 32137 | 7636 | 39773 | 13258 |
| 2029 | 24195 | 0.037 | 33318 | 0.036 | 33318 | 7912 | 41230 | 13743 |
| 2030 | 24620 | 0.037 | 34543 | 0.036 | 34543 | 8198 | 42741 | 14247 |
| 2031 | 25044 | 0.037 | 35813 | 0.036 | 35813 | 8494 | 44307 | 14769 |
| 2032 | 25469 | 0.037 | 37130 | 0.036 | 37130 | 8801 | 45930 | 15310 |
| 2033 | 25893 | 0.037 | 38495 | 0.036 | 38495 | 9118 | 47613 | 15871 |
| 2034 | 26318 | 0.037 | 39910 | 0.036 | 39910 | 9447 | 49358 | 16453 |
| 2035 | 26742 | 0.037 | 41377 | 0.036 | 41377 | 9789 | 51166 | 17055 |
| 2036 | 27167 | 0.037 | 42899 | 0.036 | 42899 | 10142 | 53041 | 17680 |
| 2037 | 27591 | 0.037 | 44476 | 0.036 | 44476 | 10508 | 54984 | 18328 |
| 2038 | 28016 | 0.037 | 46111 | 0.036 | 46111 | 10888 | 56999 | 19000 |
| 2039 | 28440 | 0.037 | 47806 | 0.036 | 47806 | 11281 | 59087 | 19696 |
| 2040 | 28865 | 0.037 | 49564 | 0.036 | 49564 | 11688 | 61252 | 20417 |
| 2041 | 29289 | 0.037 | 51386 | 0.036 | 51386 | 12110 | 63496 | 21165 |
| 2042 | 29714 | 0.037 | 53276 | 0.036 | 53276 | 12547 | 65823 | 21941 |
| 2043 | 30138 | 0.037 | 55234 | 0.036 | 55234 | 13000 | 68235 | 22745 |

| AÑO | POBLACIÓN | D _{beta} (hab ³ /día) | P% | D _{bruta} | Q _{inf} (hab ³ /día) | k1 | QMD | k2 | QMH | Q _{medio} |
|------|-----------|---|------|--------------------|--|-----|-------|-----|-------|--------------------|
| 2018 | 9251 | 130 | 0.25 | 173.3 | 18.56 | 1.2 | 22.27 | 1.5 | 27.84 | 22.27 |
| 2019 | 9590 | 130 | 0.25 | 173.3 | 19.24 | 1.2 | 23.09 | 1.5 | 28.86 | 23.09 |
| 2020 | 9941 | 130 | 0.25 | 173.3 | 19.94 | 1.2 | 23.93 | 1.5 | 29.92 | 23.93 |
| 2021 | 10306 | 130 | 0.25 | 173.3 | 20.67 | 1.2 | 24.81 | 1.5 | 31.01 | 24.81 |
| 2022 | 10683 | 130 | 0.25 | 173.3 | 21.43 | 1.2 | 25.72 | 1.5 | 32.15 | 25.72 |
| 2023 | 11075 | 130 | 0.25 | 173.3 | 22.22 | 1.2 | 26.66 | 1.5 | 33.33 | 26.66 |
| 2024 | 11480 | 130 | 0.25 | 173.3 | 23.03 | 1.2 | 27.64 | 1.5 | 34.55 | 27.64 |
| 2025 | 11901 | 130 | 0.25 | 173.3 | 23.88 | 1.2 | 28.65 | 1.5 | 35.81 | 28.65 |
| 2026 | 12337 | 130 | 0.25 | 173.3 | 24.75 | 1.2 | 29.70 | 1.5 | 37.13 | 29.70 |
| 2027 | 12789 | 130 | 0.25 | 173.3 | 25.66 | 1.2 | 30.79 | 1.5 | 38.49 | 30.79 |
| 2028 | 13258 | 130 | 0.25 | 173.3 | 26.60 | 1.2 | 31.92 | 1.5 | 39.90 | 31.92 |
| 2029 | 13743 | 130 | 0.25 | 173.3 | 27.57 | 1.2 | 33.09 | 1.5 | 41.36 | 33.09 |
| 2030 | 14247 | 130 | 0.25 | 173.3 | 28.58 | 1.2 | 34.30 | 1.5 | 42.87 | 34.30 |
| 2031 | 14769 | 130 | 0.25 | 173.3 | 29.63 | 1.2 | 35.55 | 1.5 | 44.44 | 35.55 |
| 2032 | 15310 | 130 | 0.25 | 173.3 | 30.71 | 1.2 | 36.86 | 1.5 | 46.07 | 36.86 |
| 2033 | 15871 | 130 | 0.25 | 173.3 | 31.84 | 1.2 | 38.21 | 1.5 | 47.76 | 38.21 |
| 2034 | 16453 | 130 | 0.25 | 173.3 | 33.01 | 1.2 | 39.61 | 1.5 | 49.51 | 39.61 |
| 2035 | 17055 | 130 | 0.25 | 173.3 | 34.22 | 1.2 | 41.06 | 1.5 | 51.32 | 41.06 |
| 2036 | 17680 | 130 | 0.25 | 173.3 | 35.47 | 1.2 | 42.56 | 1.5 | 53.20 | 42.56 |
| 2037 | 18328 | 130 | 0.25 | 173.3 | 36.77 | 1.2 | 44.12 | 1.5 | 55.15 | 44.12 |
| 2038 | 19000 | 130 | 0.25 | 173.3 | 38.12 | 1.2 | 45.74 | 1.5 | 57.17 | 45.74 |
| 2039 | 19696 | 130 | 0.25 | 173.3 | 39.51 | 1.2 | 47.42 | 1.5 | 59.27 | 47.42 |
| 2040 | 20417 | 130 | 0.25 | 173.3 | 40.96 | 1.2 | 49.15 | 1.5 | 61.44 | 49.15 |
| 2041 | 21165 | 130 | 0.25 | 173.3 | 42.46 | 1.2 | 50.95 | 1.5 | 63.69 | 50.95 |
| 2042 | 21947 | 130 | 0.25 | 173.3 | 44.02 | 1.2 | 52.82 | 1.5 | 66.03 | 52.82 |
| 2043 | 22745 | 130 | 0.25 | 173.3 | 45.63 | 1.2 | 54.76 | 1.5 | 68.45 | 54.76 |

PROYECCIÓN DE POBLACIÓN "URBANO-RURAL"

| AÑO | Habitantes (Casco-Rural) |
|------|--------------------------|
| 1985 | 17718 |
| 1993 | 21867 |
| 2005 | 27165 |

| | | | |
|--------------|--------|--------------|-------|
| R1 | 0.0266 | K1 | 0.026 |
| R2 | 0.0182 | K2 | 0.018 |
| R3 | 0.0216 | K3 | 0.021 |
| Promedio 1-2 | 0.0224 | Promedio 1-2 | 0.022 |

| Año | P. Aritmética | P. Geométrica | | P. Exponencial | | POBLACIÓN FLOTANTE | POBLACIÓN TOTAL |
|------|---------------|---------------|-----------|----------------|-----------|--------------------|-----------------|
| | | R | POBLACIÓN | K | POBLACIÓN | | |
| 2018 | 33306 | 0.022 | 36252 | 0.022 | 36849 | 8985 | 45834 |
| 2019 | 33778 | 0.022 | 37066 | 0.022 | 38935 | 9185 | 48120 |
| 2020 | 34250 | 0.022 | 37898 | 0.022 | 39809 | 9389 | 49198 |
| 2021 | 34723 | 0.022 | 38749 | 0.022 | 40702 | 9597 | 50299 |
| 2022 | 35195 | 0.022 | 39618 | 0.022 | 41616 | 9810 | 51425 |
| 2023 | 35667 | 0.022 | 40508 | 0.022 | 42549 | 10027 | 52577 |
| 2024 | 36140 | 0.022 | 41417 | 0.022 | 43504 | 10250 | 53754 |
| 2025 | 36612 | 0.022 | 42347 | 0.022 | 44480 | 10477 | 54957 |
| 2026 | 37084 | 0.022 | 43297 | 0.022 | 45478 | 10710 | 56188 |
| 2027 | 37557 | 0.022 | 44269 | 0.022 | 46499 | 10948 | 57446 |
| 2028 | 38029 | 0.022 | 45263 | 0.022 | 47542 | 11190 | 58732 |
| 2029 | 38501 | 0.022 | 46279 | 0.022 | 48609 | 11439 | 60047 |
| 2030 | 38974 | 0.022 | 47317 | 0.022 | 49699 | 11693 | 61392 |
| 2031 | 39446 | 0.022 | 48379 | 0.022 | 50814 | 11952 | 62766 |
| 2032 | 39918 | 0.022 | 49465 | 0.022 | 51954 | 12217 | 64172 |
| 2033 | 40391 | 0.022 | 50576 | 0.022 | 53120 | 12488 | 65609 |
| 2034 | 40863 | 0.022 | 51711 | 0.022 | 54312 | 12765 | 67078 |
| 2035 | 41336 | 0.022 | 52872 | 0.022 | 55531 | 13049 | 68579 |
| 2036 | 41808 | 0.022 | 54058 | 0.022 | 56777 | 13338 | 70115 |
| 2037 | 42280 | 0.022 | 55272 | 0.022 | 58051 | 13634 | 71685 |
| 2038 | 42753 | 0.022 | 56512 | 0.022 | 59353 | 13937 | 73290 |
| 2039 | 43225 | 0.022 | 57781 | 0.022 | 60685 | 14246 | 74931 |
| 2040 | 43697 | 0.022 | 59078 | 0.022 | 62046 | 14562 | 76609 |
| 2041 | 44170 | 0.022 | 60404 | 0.022 | 63439 | 14885 | 78324 |
| 2042 | 44642 | 0.022 | 61760 | 0.022 | 64862 | 15216 | 80078 |
| 2043 | 45114 | 0.022 | 63146 | 0.022 | 66317 | 15553 | 81871 |

| AÑO | POBLACIÓN | D _{beta} (hab ³ /día) | P% | D _{bruta} | Q _{inf} (hab ³ /día) | k1 | QMD | k2 | QMH | Q _{medio} |
|------|-----------|---|------|--------------------|--|-----|--------|-----|--------|--------------------|
| 2018 | 45834 | 130 | 0.25 | 173.3 | 91.95 | 1.2 | 110.34 | 1.5 | 137.93 | 110.34 |
| 2019 | 48120 | 130 | 0.25 | 173.3 | 96.54 | 1.2 | 115.84 | 1.5 | 144.81 | 115.84 |
| 2020 | 49198 | 130 | 0.25 | 173.3 | 98.70 | 1.2 | 118.44 | 1.5 | 148.05 | 118.44 |
| 2021 | 50299 | 130 | 0.25 | 173.3 | 100.91 | 1.2 | 121.09 | 1.5 | 151.36 | 121.09 |
| 2022 | 51425 | 130 | 0.25 | 173.3 | 103.17 | 1.2 | 123.80 | 1.5 | 154.75 | 123.80 |
| 2023 | 52577 | 130 | 0.25 | 173.3 | 105.48 | 1.2 | 126.57 | 1.5 | 158.22 | 126.57 |
| 2024 | 53754 | 130 | 0.25 | 173.3 | 107.84 | 1.2 | 129.41 | 1.5 | 161.76 | 129.41 |
| 2025 | 54957 | 130 | 0.25 | 173.3 | 110.25 | 1.2 | 132.31 | 1.5 | 165.38 | 132.31 |
| 2026 | 56188 | 130 | 0.25 | 173.3 | 112.72 | 1.2 | 135.27 | 1.5 | 169.08 | 135.27 |
| 2027 | 57446 | 130 | 0.25 | 173.3 | 115.25 | 1.2 | 138.30 | 1.5 | 172.87 | 138.30 |
| 2028 | 58732 | 130 | 0.25 | 173.3 | 117.83 | 1.2 | 141.39 | 1.5 | 176.74 | 141.39 |
| 2029 | 60047 | 130 | 0.25 | 173.3 | 120.47 | 1.2 | 144.56 | 1.5 | 180.70 | 144.56 |
| 2030 | 61392 | 130 | 0.25 | 173.3 | 123.16 | 1.2 | 147.80 | 1.5 | 184.74 | 147.80 |
| 2031 | 62766 | 130 | 0.25 | 173.3 | 125.92 | 1.2 | 151.10 | 1.5 | 188.88 | 151.10 |
| 2032 | 64172 | 130 | 0.25 | 173.3 | 128.74 | 1.2 | 154.49 | 1.5 | 193.11 | 154.49 |
| 2033 | 65609 | 130 | 0.25 | 173.3 | 131.62 | 1.2 | 157.95 | 1.5 | 197.43 | 157.95 |
| 2034 | 67078 | 130 | 0.25 | 173.3 | 134.57 | 1.2 | 161.48 | 1.5 | 201.85 | 161.48 |
| 2035 | 68579 | 130 | 0.25 | 173.3 | 137.58 | 1.2 | 165.10 | 1.5 | 206.37 | 165.10 |
| 2036 | 70115 | 130 | 0.25 | 173.3 | 140.66 | 1.2 | 168.80 | 1.5 | 210.99 | 168.80 |
| 2037 | 71685 | 130 | 0.25 | 173.3 | 143.81 | 1.2 | 172.57 | 1.5 | 215.72 | 172.57 |
| 2038 | 73290 | 130 | 0.25 | 173.3 | 147.03 | 1.2 | 176.44 | 1.5 | 220.55 | 176.44 |
| 2039 | 74931 | 130 | 0.25 | 173.3 | 150.32 | 1.2 | 180.39 | 1.5 | 225.49 | 180.39 |
| 2040 | 76609 | 130 | 0.25 | 173.3 | 153.69 | 1.2 | 184.43 | 1.5 | 230.54 | 184.43 |
| 2041 | 78324 | 130 | 0.25 | 173.3 | 157.13 | 1.2 | 188.56 | 1.5 | 235.70 | 188.56 |
| 2042 | 80078 | 130 | 0.25 | 173.3 | 160.65 | 1.2 | 192.78 | 1.5 | 240.97 | 192.78 |
| 2043 | 81871 | 130 | 0.25 | 173.3 | 164.25 | 1.2 | 197.10 | 1.5 | 246.37 | 197.10 |

PROYECCIÓN DE POBLACIÓN VS PROYECCIÓN DANE

PROYECCIÓN POBLACIÓN

| AÑO | Habitantes (Casco-Rural) | R1 | R2 | R3 | Promedio 1-2 | K1 | K2 | K3 | Promedio 1-2 |
|------|--------------------------|----|----|----|--------------|----|----|----|--------------|
| 1985 | 17718 | | | | 0.026648586 | | | | 0.026 |
| 1993 | 21867 | | | | 0.018243646 | | | | 0.018 |
| 2005 | 27165 | | | | 0.021597333 | | | | 0.021 |
| | | | | | 0.022446116 | | | | 0.022 |

PROYECCIÓN POBLACIÓN DANE

| AÑO | CENSO |
|------|-------|
| 1993 | 21867 |
| 2005 | 27165 |

| Año | P. Aritmética | P. Geométrica | | P. Exponencial | | POBLACIÓN FLOTANTE | POBLACIÓN TOTAL |
|------|---------------|---------------|-----------|----------------|-----------|--------------------|-----------------|
| | | R | POBLACIÓN | K | POBLACIÓN | | |
| 2005 | 27165 | 0.022 | 27165 | 0.022 | 27615 | 8985 | 36601 |
| 2006 | 27637 | 0.022 | 27775 | 0.022 | 28235 | 9185 | 37420 |
| 2007 | 28110 | 0.022 | 28398 | 0.022 | 28868 | 9389 | 38257 |
| 2008 | 28582 | 0.022 | 29036 | 0.022 | 29516 | 9597 | 39113 |
| 2009 | 29054 | 0.022 | 29687 | 0.022 | 30178 | 9810 | 39988 |
| 2010 | 29527 | 0.022 | 30354 | 0.022 | 30856 | 10027 | 40883 |
| 2011 | 29999 | 0.022 | 31035 | 0.022 | 31548 | 10250 | 41798 |
| 2012 | 30471 | 0.022 | 31732 | 0.022 | 32256 | 10477 | 42733 |
| 2013 | 30944 | 0.022 | 32444 | 0.022 | 32979 | 10710 | 43689 |
| 2014 | 31416 | 0.022 | 33172 | 0.022 | 33719 | 10948 | 44667 |
| 2015 | 31889 | 0.022 | 33917 | 0.022 | 34476 | 11190 | 45667 |
| 2016 | 32361 | 0.022 | 34678 | 0.022 | 35250 | 11439 | 46688 |
| 2017 | 32833 | 0.022 | 35456 | 0.022 | 36041 | 11693 | 47733 |
| 2018 | 33306 | 0.022 | 36252 | 0.022 | 36849 | 11952 | 48801 |
| 2019 | 33778 | 0.022 | 37066 | 0.022 | 37676 | 12217 | 49893 |
| 2020 | 34250 | 0.022 | 37898 | 0.022 | 38521 | 12488 | 51010 |
| 2021 | 34723 | 0.022 | 38749 | 0.022 | 39386 | 12765 | 52151 |
| 2022 | 35195 | 0.022 | 39618 | 0.022 | 40269 | 13049 | 53318 |
| 2023 | 35667 | 0.022 | 40508 | 0.022 | 41173 | 13338 | 54511 |
| 2024 | 36140 | 0.022 | 41417 | 0.022 | 42097 | 13634 | 55731 |
| 2025 | 36612 | 0.022 | 42347 | 0.022 | 43041 | 13937 | 56978 |
| 2026 | 37084 | 0.022 | 43297 | 0.022 | 44007 | 14246 | 58253 |
| 2027 | 37557 | 0.022 | 44269 | 0.022 | 44994 | 14562 | 59557 |
| 2028 | 38029 | 0.022 | 45263 | 0.022 | 46004 | 14885 | 60889 |
| 2029 | 38501 | 0.022 | 46279 | 0.022 | 47036 | 15216 | 62252 |
| 2030 | 38974 | 0.022 | 47317 | 0.022 | 48092 | 15553 | 63645 |

| Año | P. Aritmética | P. Geométrica | | P. Exponencial | | POBLACIÓN FLOTANTE | POBLACIÓN TOTAL |
|------|---------------|---------------|-----------|----------------|-----------|--------------------|-----------------|
| | | R | POBLACIÓN | K | POBLACIÓN | | |
| 2005 | 27165 | 0.018 | 27165 | 0.018 | 27165 | 4263 | 31428 |
| 2006 | 27607 | 0.018 | 27661 | 0.018 | 27661 | 4340 | 32001 |
| 2007 | 28048 | 0.018 | 28165 | 0.018 | 28165 | 4419 | 32584 |
| 2008 | 28490 | 0.018 | 28679 | 0.018 | 28679 | 4499 | 33178 |
| 2009 | 28931 | 0.018 | 29202 | 0.018 | 29202 | 4580 | 33782 |
| 2010 | 29373 | 0.018 | 29735 | 0.018 | 29735 | 4663 | 34398 |
| 2011 | 29814 | 0.018 | 30277 | 0.018 | 30277 | 4747 | 35025 |
| 2012 | 30256 | 0.018 | 30830 | 0.018 | 30830 | 4833 | 35663 |
| 2013 | 30697 | 0.018 | 31392 | 0.018 | 31392 | 4920 | 36313 |
| 2014 | 31139 | 0.018 | 31965 | 0.018 | 31965 | 5009 | 36974 |
| 2015 | 31580 | 0.018 | 32548 | 0.018 | 32548 | 5100 | 37648 |
| 2016 | 32022 | 0.018 | 33142 | 0.018 | 33142 | 5192 | 38334 |
| 2017 | 32463 | 0.018 | 33747 | 0.018 | 33747 | 5286 | 39033 |
| 2018 | 32905 | 0.018 | 34362 | 0.018 | 34362 | 5382 | 39744 |
| 2019 | 33346 | 0.018 | 34989 | 0.018 | 34989 | 5479 | 40468 |
| 2020 | 33788 | 0.018 | 35627 | 0.018 | 35627 | 5578 | 41206 |
| 2021 | 34229 | 0.018 | 36277 | 0.018 | 36277 | 5679 | 41956 |
| 2022 | 34671 | 0.018 | 36939 | 0.018 | 36939 | 5782 | 42721 |
| 2023 | 35112 | 0.018 | 37613 | 0.018 | 37613 | 5886 | 43499 |
| 2024 | 35554 | 0.018 | 38299 | 0.018 | 38299 | 5992 | 44292 |
| 2025 | 35995 | 0.018 | 38998 | 0.018 | 38998 | 6101 | 45099 |
| 2026 | 36437 | 0.018 | 39710 | 0.018 | 39710 | 6211 | 45921 |
| 2027 | 36878 | 0.018 | 40434 | 0.018 | 40434 | 6323 | 46757 |
| 2028 | 37320 | 0.018 | 41172 | 0.018 | 41172 | 6438 | 47609 |
| 2029 | 37761 | 0.018 | 41923 | 0.018 | 41923 | 6554 | 48477 |
| 2030 | 38203 | 0.018 | 42688 | 0.018 | 42688 | 6673 | 49360 |

