| Table format: **Grouped** | | Group A | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Araçatuba | | | | | | | |
| | | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| 1 | 1 | 217 | 230 | 222 | 242 | 239 | 258 | 238 | 214 |
| 2 | 2 | 232 | 255 | 219 | 206 | 242 | 208 | 258 | 257 |
| 3 | 3 | 266 | 257 | 234 | 220 | 260 | 297 | 250 | 288 |
| 4 | 4 | 262 | 221 | 219 | 262 | 272 | 247 | 244 | 244 |
| 5 | 5 | 220 | 254 | 225 | 241 | 237 | 289 | 237 | 274 |
| 6 | 6 | 235 | 282 | 215 | 212 | 243 | 266 | 225 | 219 |
| 7 | 7 | 218 | 226 | 215 | 208 | 261 | 232 | 221 | 241 |
| 8 | 8 | 185 | 185 | 212 | 199 | 231 | 236 | 211 | 238 |
| 9 | 9 | 193 | 171 | 210 | 157 | 241 | 232 | 226 | 243 |
| 10 | 10 | 182 | 179 | 203 | 222 | 235 | 223 | 202 | 230 |
| 11 | 11 | 166 | 182 | 212 | 184 | 222 | 215 | 174 | 225 |
| 12 | 12 | 195 | 209 | 219 | 212 | 239 | 265 | 210 | 208 |

| | | | Group B | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Andradina | | | | | | |
| | 2018 | 2019 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| 1 | 275 | 266 | 86 | 75 | 72 | 67 | 74 | 115 | 88 |
| 2 | 272 | 234 | 77 | 82 | 83 | 74 | 87 | 80 | 76 |
| 3 | 272 | 295 | 87 | 82 | 87 | 97 | 86 | 82 | 78 |
| 4 | 250 | 262 | 91 | 103 | 97 | 98 | 98 | 84 | 86 |
| 5 | 257 | 247 | 70 | 115 | 87 | 99 | 97 | 101 | 85 |
| 6 | 231 | 255 | 71 | 91 | 72 | 85 | 81 | 89 | 104 |
| 7 | 224 | 220 | 65 | 91 | 82 | 85 | 86 | 88 | 82 |
| 8 | 231 | 221 | 79 | 64 | 67 | 71 | 82 | 52 | 72 |
| 9 | 203 | 208 | 68 | 66 | 78 | 66 | 78 | 71 | 100 |
| 10 | 218 | 220 | 74 | 61 | 76 | 82 | 69 | 68 | 50 |
| 11 | 207 | 235 | 75 | 64 | 70 | 63 | 68 | 87 | 56 |
| 12 | 238 | 224 | 83 | 77 | 72 | 67 | 81 | 78 | 78 |

| | | | | Group C | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Barueri | | | | | |
| | 2017 | 2018 | 2019 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| 1 | 63 | 86 | 95 | 591 | 578 | 485 | 640 | 595 | 553 |
| 2 | 83 | 78 | 107 | 537 | 561 | 585 | 610 | 534 | 562 |
| 3 | 94 | 83 | 80 | 616 | 616 | 685 | 647 | 555 | 605 |
| 4 | 94 | 113 | 88 | 559 | 553 | 639 | 684 | 587 | 543 |
| 5 | 70 | 107 | 92 | 580 | 611 | 686 | 599 | 570 | 577 |
| 6 | 68 | 81 | 73 | 533 | 571 | 648 | 565 | 567 | 552 |
| 7 | 66 | 76 | 71 | 530 | 564 | 580 | 518 | 539 | 487 |
| 8 | 54 | 85 | 66 | 517 | 606 | 635 | 607 | 532 | 501 |
| 9 | 86 | 84 | 67 | 504 | 523 | 633 | 554 | 553 | 488 |
| 10 | 77 | 66 | 69 | 501 | 514 | 671 | 548 | 464 | 456 |
| 11 | 76 | 73 | 62 | 492 | 506 | 583 | 544 | 490 | 442 |
| 12 | 74 | 76 | 57 | 527 | 546 | 626 | 526 | 516 | 493 |

| | | | | | Grou | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Drac | | | | |
| | 2016 | 2017 | 2018 | 2019 | 2010 | 2011 | 2012 | 2013 | 2014 |
| 1 | 459 | 394 | 502 | 467 | 47 | 58 | 48 | 37 | 45 |
| 2 | 506 | 437 | 489 | 489 | 69 | 59 | 50 | 41 | 53 |
| 3 | 489 | 512 | 539 | 501 | 71 | 66 | 61 | 32 | 60 |
| 4 | 439 | 462 | 520 | 464 | 59 | 69 | 63 | 36 | 55 |
| 5 | 462 | 467 | 571 | 480 | 49 | 67 | 53 | 38 | 56 |
| 6 | 470 | 450 | 486 | 503 | 39 | 61 | 49 | 51 | 28 |
| 7 | 445 | 459 | 433 | 441 | 56 | 54 | 44 | 47 | 57 |
| 8 | 429 | 460 | 463 | 441 | 51 | 48 | 50 | 46 | 49 |
| 9 | 393 | 469 | 460 | 453 | 42 | 40 | 33 | 58 | 45 |
| 10 | 401 | 453 | 443 | 391 | 45 | 52 | 39 | 52 | 47 |
| 11 | 376 | 446 | 422 | 418 | 44 | 43 | 50 | 42 | 43 |
| 12 | 405 | 482 | 459 | 417 | 61 | 59 | 33 | 40 | 41 |

| | up D | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | cena | | | | | | | | |
| | 2015 | 2016 | 2017 | 2018 | 2019 | 2010 | 2011 | 2012 | 2013 |
| 1 | 59 | 63 | 30 | 50 | 35 | 32 | 47 | 37 | 41 |
| 2 | 32 | 52 | 46 | 34 | 52 | 35 | 44 | 43 | 36 |
| 3 | 37 | 44 | 48 | 46 | 58 | 49 | 54 | 30 | 51 |
| 4 | 40 | 65 | 50 | 45 | 51 | 40 | 44 | 39 | 49 |
| 5 | 41 | 48 | 50 | 53 | 61 | 33 | 50 | 50 | 49 |
| 6 | 44 | 44 | 51 | 36 | 57 | 48 | 25 | 49 | 33 |
| 7 | 40 | 43 | 47 | 40 | 39 | 35 | 39 | 36 | 43 |
| 8 | 43 | 36 | 47 | 41 | 43 | 29 | 41 | 33 | 32 |
| 9 | 29 | 45 | 58 | 50 | 41 | 34 | 42 | 32 | 22 |
| 10 | 38 | 39 | 37 | 44 | 37 | 34 | 39 | 33 | 28 |
| 11 | 38 | 29 | 41 | 48 | 35 | 34 | 32 | 36 | 31 |
| 12 | 36 | 50 | 51 | 48 | 39 | 26 | 40 | 47 | 30 |

| | Group E | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Guaãra | | | | | | | | |
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2010 | 2011 | 2012 |
| 1 | 41 | 33 | 45 | 35 | 26 | 50 | 80 | 89 | 69 |
| 2 | 34 | 35 | 29 | 40 | 29 | 46 | 79 | 85 | 71 |
| 3 | 41 | 47 | 46 | 46 | 40 | 33 | 82 | 102 | 88 |
| 4 | 53 | 40 | 37 | 40 | 32 | 26 | 80 | 104 | 82 |
| 5 | 38 | 34 | 38 | 42 | 42 | 51 | 98 | 90 | 96 |
| 6 | 22 | 28 | 29 | 30 | 43 | 44 | 80 | 80 | 84 |
| 7 | 41 | 52 | 28 | 36 | 40 | 27 | 85 | 68 | 84 |
| 8 | 31 | 31 | 34 | 49 | 41 | 26 | 70 | 81 | 73 |
| 9 | 33 | 29 | 32 | 27 | 28 | 35 | 61 | 58 | 74 |
| 10 | 44 | 28 | 24 | 22 | 33 | 25 | 67 | 60 | 80 |
| 11 | 35 | 28 | 35 | 42 | 27 | 35 | 61 | 59 | 58 |
| 12 | 44 | 37 | 30 | 33 | 25 | 37 | 69 | 68 | 75 |

| | Group F | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Jales | | | | | | | | |
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2010 | 2011 |
| 1 | 73 | 103 | 89 | 79 | 81 | 76 | 89 | 75 | 58 |
| 2 | 72 | 104 | 89 | 92 | 76 | 90 | 107 | 82 | 68 |
| 3 | 115 | 96 | 95 | 106 | 110 | 98 | 106 | 89 | 91 |
| 4 | 93 | 99 | 78 | 81 | 85 | 110 | 116 | 69 | 61 |
| 5 | 83 | 95 | 92 | 97 | 101 | 105 | 108 | 57 | 86 |
| 6 | 73 | 72 | 78 | 95 | 76 | 78 | 76 | 68 | 92 |
| 7 | 94 | 85 | 70 | 76 | 80 | 89 | 93 | 72 | 65 |
| 8 | 92 | 74 | 56 | 68 | 85 | 77 | 84 | 72 | 62 |
| 9 | 76 | 75 | 95 | 68 | 77 | 74 | 83 | 67 | 55 |
| 10 | 64 | 84 | 74 | 66 | 81 | 68 | 79 | 50 | 55 |
| 11 | 74 | 96 | 73 | 60 | 83 | 77 | 62 | 50 | 57 |
| 12 | 76 | 96 | 86 | 70 | 69 | 69 | 80 | 73 | 68 |

| | Group G | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Santa Isabel | | | | | | | | |
| | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2010 |
| 1 | 57 | 66 | 80 | 70 | 67 | 61 | 59 | 63 | 993 |
| 2 | 53 | 62 | 72 | 76 | 66 | 66 | 67 | 66 | 976 |
| 3 | 89 | 69 | 80 | 92 | 88 | 66 | 73 | 64 | 1178 |
| 4 | 76 | 68 | 82 | 102 | 87 | 69 | 80 | 60 | 1007 |
| 5 | 63 | 73 | 80 | 84 | 58 | 63 | 77 | 55 | 1074 |
| 6 | 67 | 54 | 74 | 72 | 70 | 73 | 57 | 73 | 1019 |
| 7 | 58 | 62 | 70 | 84 | 65 | 83 | 60 | 56 | 1052 |
| 8 | 61 | 57 | 76 | 71 | 77 | 65 | 52 | 68 | 916 |
| 9 | 69 | 72 | 86 | 79 | 71 | 64 | 60 | 50 | 895 |
| 10 | 74 | 64 | 74 | 71 | 58 | 62 | 59 | 57 | 864 |
| 11 | 52 | 62 | 48 | 62 | 43 | 55 | 44 | 53 | 749 |
| 12 | 60 | 74 | 66 | 82 | 47 | 72 | 62 | 60 | 859 |

| | Group H | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Santos | | | | | | | | |
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| 1 | 984 | 1015 | 1015 | 1019 | 988 | 1013 | 913 | 900 | 851 |
| 2 | 993 | 1051 | 1030 | 1095 | 985 | 921 | 906 | 898 | 853 |
| 3 | 1206 | 1160 | 1153 | 1113 | 1168 | 1097 | 1154 | 974 | 900 |
| 4 | 1053 | 1090 | 1184 | 1103 | 1088 | 951 | 1085 | 992 | 881 |
| 5 | 1139 | 1082 | 1047 | 1118 | 1148 | 1015 | 1156 | 1032 | 985 |
| 6 | 1044 | 1023 | 1010 | 1049 | 975 | 980 | 1039 | 867 | 898 |
| 7 | 1027 | 994 | 1070 | 1089 | 1042 | 977 | 1075 | 849 | 936 |
| 8 | 971 | 975 | 1038 | 943 | 900 | 894 | 1052 | 916 | 855 |
| 9 | 931 | 1003 | 1003 | 965 | 972 | 857 | 937 | 834 | 820 |
| 10 | 896 | 987 | 957 | 897 | 870 | 847 | 829 | 823 | 781 |
| 11 | 819 | 848 | 903 | 832 | 853 | 831 | 877 | 764 | 715 |
| 12 | 871 | 946 | 942 | 940 | 937 | 876 | 880 | 723 | 752 |

| | Group I | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | São Caetano do Sul | | | | | | | | |
| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1 | 91 | 131 | 105 | 84 | 97 | 96 | 100 | 89 | 160 |
| 2 | 93 | 133 | 108 | 84 | 89 | 105 | 101 | 101 | 141 |
| 3 | 100 | 142 | 102 | 103 | 120 | 107 | 102 | 106 | 166 |
| 4 | 87 | 112 | 107 | 108 | 102 | 111 | 91 | 106 | 147 |
| 5 | 90 | 148 | 106 | 94 | 109 | 103 | 127 | 133 | 162 |
| 6 | 127 | 125 | 102 | 109 | 97 | 91 | 105 | 116 | 139 |
| 7 | 136 | 130 | 101 | 89 | 100 | 87 | 97 | 114 | 147 |
| 8 | 106 | 127 | 92 | 92 | 107 | 85 | 88 | 120 | 147 |
| 9 | 118 | 92 | 97 | 89 | 110 | 95 | 94 | 133 | 156 |
| 10 | 101 | 116 | 92 | 86 | 86 | 95 | 101 | 128 | 163 |
| 11 | 92 | 105 | 71 | 98 | 80 | 104 | 85 | 124 | 155 |
| 12 | 108 | 105 | 97 | 104 | 118 | 90 | 104 | 142 | 148 |

| | | Group J | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | São Josã do Rio Preto | | | | | | | |
| | 2019 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| 1 | 179 | 682 | 661 | 684 | 712 | 808 | 788 | 785 | 702 |
| 2 | 163 | 662 | 704 | 741 | 761 | 817 | 780 | 786 | 780 |
| 3 | 182 | 823 | 779 | 807 | 800 | 825 | 835 | 900 | 918 |
| 4 | 166 | 709 | 700 | 763 | 784 | 902 | 866 | 822 | 802 |
| 5 | 154 | 695 | 693 | 718 | 836 | 835 | 851 | 788 | 848 |
| 6 | 144 | 598 | 668 | 692 | 758 | 770 | 764 | 688 | 768 |
| 7 | 154 | 620 | 648 | 667 | 672 | 778 | 737 | 735 | 766 |
| 8 | 127 | 591 | 611 | 712 | 700 | 702 | 724 | 672 | 709 |
| 9 | 160 | 609 | 601 | 679 | 655 | 689 | 705 | 660 | 736 |
| 10 | 119 | 617 | 562 | 746 | 668 | 716 | 670 | 671 | 745 |
| 11 | 126 | 546 | 591 | 659 | 648 | 687 | 643 | 602 | 702 |
| 12 | 150 | 638 | 591 | 669 | 769 | 720 | 773 | 659 | 808 |

| | | | Group K | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | São Paulo | | | | | | |
| | 2018 | 2019 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| 1 | 830 | 885 | 16510 | 16741 | 16207 | 16255 | 16766 | 17077 | 16454 |
| 2 | 770 | 904 | 15951 | 16109 | 16263 | 15833 | 16032 | 16229 | 16117 |
| 3 | 968 | 976 | 18063 | 18225 | 18367 | 16897 | 17431 | 18466 | 17937 |
| 4 | 953 | 927 | 16150 | 16767 | 16318 | 17126 | 17034 | 17295 | 16943 |
| 5 | 862 | 925 | 16717 | 17649 | 16989 | 17031 | 17428 | 17789 | 17053 |
| 6 | 812 | 860 | 15977 | 16236 | 16078 | 15894 | 16533 | 16507 | 16385 |
| 7 | 915 | 778 | 16011 | 16358 | 16257 | 16144 | 17092 | 16428 | 15720 |
| 8 | 817 | 823 | 15295 | 16029 | 16153 | 15863 | 16317 | 15996 | 15261 |
| 9 | 815 | 740 | 15375 | 15275 | 16009 | 15494 | 16556 | 16473 | 14912 |
| 10 | 771 | 742 | 15047 | 14648 | 16145 | 15490 | 15443 | 14987 | 14217 |
| 11 | 752 | 738 | 14497 | 14402 | 14558 | 14702 | 14753 | 14961 | 13347 |
| 12 | 773 | 797 | 15837 | 15582 | 15567 | 15762 | 16472 | 16037 | 14485 |

| | 2017 | 2018 | 2019 |
|---|---|---|---|
| 1 | 14752 | 16530 | 15429 |
| 2 | 14987 | 15318 | 14614 |
| 3 | 17516 | 17092 | 16118 |
| 4 | 16364 | 16106 | 15326 |
| 5 | 17520 | 16913 | 16012 |
| 6 | 16439 | 15213 | 14621 |
| 7 | 16189 | 15158 | 14973 |
| 8 | 15527 | 15030 | 14870 |
| 9 | 15494 | 14704 | 14436 |
| 10 | 14954 | 14325 | 13555 |
| 11 | 14582 | 14014 | 13315 |
| 12 | 15150 | 14311 | 14063 |

| | 2way ANOVA | | | | |
|---|---|---|---|---|---|
| | | | | | |
| 1 | Table Analyzed | Nascidos Vivos | | | |
| 2 | | | | | |
| 3 | **Two-way ANOVA** | Ordinary | | | |
| 4 | Alpha | 0.05 | | | |
| 5 | | | | | |
| 6 | **Source of Variation** | **% of total variation** | **P value** | **P value summary** | **Significant?** |
| 7 | Interaction | 0.2971 | <0.0001 | **** | Yes |
| 8 | Row Factor | 0.04778 | <0.0001 | **** | Yes |
| 9 | Column Factor | 99.48 | <0.0001 | **** | Yes |
| 10 | | | | | |
| 11 | **ANOVA table** | **SS** | **DF** | **MS** | **F (DFn, DFd)** |
| 12 | Interaction | 79875530 | 110 | 726141 | F (110, 1188) = 18.31 |
| 13 | Row Factor | 12844980 | 11 | 1167725 | F (11, 1188) = 29.44 |
| 14 | Column Factor | 26744037215 | 10 | 2674403721 | F (10, 1188) = 67427 |
| 15 | Residual | 47120716 | 1188 | 39664 | |
| 16 | | | | | |
| 17 | **Data summary** | | | | |
| 18 | Number of columns (Column Factor) | 11 | | | |
| 19 | Number of rows (Row Factor) | 12 | | | |
| 20 | Number of values | 1320 | | | |

| | |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | **P value** |
| 12 | P<0.0001 |
| 13 | P<0.0001 |
| 14 | P<0.0001 |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |

| Row statistics | | A | | | B | | | C | |
|---|---|---|---|---|---|---|---|---|---|
| | | Araçatuba | | | Andradina | | | Barueri | |
| | | Mean | SD | N | Mean | SD | N | Mean | SD |
| 1 | 1 | 240.100 | 20.717 | 10 | 82.100 | 15.366 | 10 | 526.400 | 76.786 |
| 2 | 2 | 238.300 | 22.505 | 10 | 82.700 | 9.381 | 10 | 531.000 | 51.696 |
| 3 | 3 | 263.900 | 25.366 | 10 | 85.600 | 6.022 | 10 | 576.500 | 66.717 |
| 4 | 4 | 248.300 | 17.544 | 10 | 95.200 | 8.677 | 10 | 545.000 | 78.525 |
| 5 | 5 | 248.100 | 21.289 | 10 | 92.300 | 14.720 | 10 | 560.300 | 71.149 |
| 6 | 6 | 238.300 | 23.157 | 10 | 81.500 | 11.158 | 10 | 534.500 | 58.835 |
| 7 | 7 | 226.600 | 15.116 | 10 | 79.200 | 9.223 | 10 | 499.600 | 53.836 |
| 8 | 8 | 214.900 | 19.997 | 10 | 69.200 | 11.003 | 10 | 519.100 | 74.585 |
| 9 | 9 | 208.400 | 28.745 | 10 | 76.400 | 11.138 | 10 | 503.000 | 66.860 |
| 10 | 10 | 211.400 | 19.265 | 10 | 69.200 | 9.077 | 10 | 484.200 | 81.389 |
| 11 | 11 | 202.200 | 23.841 | 10 | 69.400 | 8.847 | 10 | 471.900 | 62.887 |
| 12 | 12 | 221.900 | 20.399 | 10 | 74.300 | 7.573 | 10 | 499.700 | 64.653 |

| | | D | | | E | | | F | |
|---|---|---|---|---|---|---|---|---|---|
| | | Dracena | | | Guaãra | | | Jales | |
| | N | Mean | SD | N | Mean | SD | N | Mean | SD |
| 1 | 10 | 47.200 | 10.891 | 10 | 38.700 | 7.469 | 10 | 82.800 | 9.897 |
| 2 | 10 | 48.800 | 11.163 | 10 | 37.100 | 5.971 | 10 | 86.500 | 12.448 |
| 3 | 10 | 52.300 | 12.815 | 10 | 43.700 | 7.689 | 10 | 99.800 | 10.075 |
| 4 | 10 | 53.300 | 10.924 | 10 | 40.000 | 7.717 | 10 | 92.800 | 13.734 |
| 5 | 10 | 51.600 | 8.618 | 10 | 42.700 | 6.913 | 10 | 96.500 | 7.261 |
| 6 | 10 | 46.000 | 9.922 | 10 | 35.100 | 9.960 | 10 | 79.200 | 6.563 |
| 7 | 10 | 46.700 | 6.800 | 10 | 37.700 | 7.243 | 10 | 82.400 | 8.909 |
| 8 | 10 | 45.400 | 4.648 | 10 | 34.700 | 6.913 | 10 | 76.000 | 10.220 |
| 9 | 10 | 44.100 | 9.457 | 10 | 31.400 | 5.379 | 10 | 74.100 | 10.525 |
| 10 | 10 | 43.000 | 5.888 | 10 | 31.000 | 6.944 | 10 | 72.300 | 8.341 |
| 11 | 10 | 41.300 | 6.111 | 10 | 33.500 | 4.301 | 10 | 70.300 | 12.597 |
| 12 | 10 | 45.800 | 9.531 | 10 | 34.900 | 7.400 | 10 | 75.800 | 9.211 |

| | | G | | | H | | | I | |
|---|---|---|---|---|---|---|---|---|---|
| | | Santa Isabel | | | Santos | | | São Caetano do S | |
| | N | Mean | SD | N | Mean | SD | N | Mean | SD |
| 1 | 10 | 65.600 | 7.604 | 10 | 969.100 | 59.302 | 10 | 113.200 | 32.605 |
| 2 | 10 | 67.800 | 7.815 | 10 | 970.800 | 75.968 | 10 | 111.800 | 25.525 |
| 3 | 10 | 80.100 | 11.120 | 10 | 1110.300 | 97.901 | 10 | 123.000 | 29.918 |
| 4 | 10 | 75.400 | 12.860 | 10 | 1043.400 | 87.039 | 10 | 113.700 | 24.395 |
| 5 | 10 | 69.600 | 11.759 | 10 | 1079.600 | 59.634 | 10 | 122.600 | 25.898 |
| 6 | 10 | 70.000 | 10.328 | 10 | 990.400 | 62.400 | 10 | 115.500 | 17.840 |
| 7 | 10 | 67.500 | 9.778 | 10 | 1011.100 | 74.441 | 10 | 115.500 | 24.528 |
| 8 | 10 | 66.100 | 8.198 | 10 | 946.000 | 63.312 | 10 | 109.100 | 20.604 |
| 9 | 10 | 67.300 | 10.750 | 10 | 921.700 | 67.394 | 10 | 114.400 | 26.730 |
| 10 | 10 | 62.400 | 8.262 | 10 | 875.100 | 62.164 | 10 | 108.700 | 23.796 |
| 11 | 10 | 52.600 | 6.637 | 10 | 819.100 | 59.133 | 10 | 104.000 | 25.148 |
| 12 | 10 | 66.400 | 9.755 | 10 | 872.600 | 78.932 | 10 | 116.600 | 22.026 |

| | | J | | | K | | |
|---|---|---|---|---|---|---|---|
| | Sul | São Josã do Rio Preto | | | São Paulo | | |
| | N | Mean | SD | N | Mean | SD | N |
| 1 | 10 | 753.700 | 75.403 | 10 | 16272.100 | 690.726 | 10 |
| 2 | 10 | 770.500 | 64.602 | 10 | 15745.300 | 571.748 | 10 |
| 3 | 10 | 863.100 | 71.629 | 10 | 17611.200 | 748.314 | 10 |
| 4 | 10 | 822.800 | 87.872 | 10 | 16542.900 | 602.386 | 10 |
| 5 | 10 | 805.100 | 78.865 | 10 | 17110.100 | 521.086 | 10 |
| 6 | 10 | 737.800 | 76.359 | 10 | 15988.300 | 621.403 | 10 |
| 7 | 10 | 731.600 | 85.852 | 10 | 16033.000 | 619.825 | 10 |
| 8 | 10 | 706.100 | 74.414 | 10 | 15634.100 | 504.356 | 10 |
| 9 | 10 | 688.900 | 64.276 | 10 | 15472.800 | 706.425 | 10 |
| 10 | 10 | 690.800 | 65.873 | 10 | 14881.100 | 737.197 | 10 |
| 11 | 10 | 656.800 | 65.399 | 10 | 14313.100 | 573.251 | 10 |
| 12 | 10 | 719.700 | 75.556 | 10 | 15326.600 | 799.814 | 10 |

| Row statistics | | A | | |
|---|---|---|---|---|
| | | Araçatuba | | |
| | | Mean | SD | N |
| 1 | 1 | 240.100 | 20.717 | 10 |
| 2 | 2 | 238.300 | 22.505 | 10 |
| 3 | 3 | 263.900 | 25.366 | 10 |
| 4 | 4 | 248.300 | 17.544 | 10 |
| 5 | 5 | 248.100 | 21.289 | 10 |
| 6 | 6 | 238.300 | 23.157 | 10 |
| 7 | 7 | 226.600 | 15.116 | 10 |
| 8 | 8 | 214.900 | 19.997 | 10 |
| 9 | 9 | 208.400 | 28.745 | 10 |
| 10 | 10 | 211.400 | 19.265 | 10 |
| 11 | 11 | 202.200 | 23.841 | 10 |
| 12 | 12 | 221.900 | 20.399 | 10 |

| Row statistics | | A | | |
|---|---|---|---|---|
| | | Andradina | | |
| | | Mean | SD | N |
| 1 | 1 | 82.100 | 15.366 | 10 |
| 2 | 2 | 82.700 | 9.381 | 10 |
| 3 | 3 | 85.600 | 6.022 | 10 |
| 4 | 4 | 95.200 | 8.677 | 10 |
| 5 | 5 | 92.300 | 14.720 | 10 |
| 6 | 6 | 81.500 | 11.158 | 10 |
| 7 | 7 | 79.200 | 9.223 | 10 |
| 8 | 8 | 69.200 | 11.003 | 10 |
| 9 | 9 | 76.400 | 11.138 | 10 |
| 10 | 10 | 69.200 | 9.077 | 10 |
| 11 | 11 | 69.400 | 8.847 | 10 |
| 12 | 12 | 74.300 | 7.573 | 10 |

| | | A | | |
|---|---|---|---|---|
| | | Barueri | | |
| | | Mean | SD | N |
| 1 | 1 | 526.400 | 76.786 | 10 |
| 2 | 2 | 531.000 | 51.696 | 10 |
| 3 | 3 | 576.500 | 66.717 | 10 |
| 4 | 4 | 545.000 | 78.525 | 10 |
| 5 | 5 | 560.300 | 71.149 | 10 |
| 6 | 6 | 534.500 | 58.835 | 10 |
| 7 | 7 | 499.600 | 53.836 | 10 |
| 8 | 8 | 519.100 | 74.585 | 10 |
| 9 | 9 | 503.000 | 66.860 | 10 |
| 10 | 10 | 484.200 | 81.389 | 10 |
| 11 | 11 | 471.900 | 62.887 | 10 |
| 12 | 12 | 499.700 | 64.653 | 10 |

| | | A | | |
|---|---|---|---|---|
| | | Dracena | | |
| | | Mean | SD | N |
| 1 | 1 | 47.200 | 10.891 | 10 |
| 2 | 2 | 48.800 | 11.163 | 10 |
| 3 | 3 | 52.300 | 12.815 | 10 |
| 4 | 4 | 53.300 | 10.924 | 10 |
| 5 | 5 | 51.600 | 8.618 | 10 |
| 6 | 6 | 46.000 | 9.922 | 10 |
| 7 | 7 | 46.700 | 6.800 | 10 |
| 8 | 8 | 45.400 | 4.648 | 10 |
| 9 | 9 | 44.100 | 9.457 | 10 |
| 10 | 10 | 43.000 | 5.888 | 10 |
| 11 | 11 | 41.300 | 6.111 | 10 |
| 12 | 12 | 45.800 | 9.531 | 10 |

| | | A | | |
|---|---|---|---|---|
| | | Guaãra | | |
| | | Mean | SD | N |
| 1 | 1 | 38.700 | 7.469 | 10 |
| 2 | 2 | 37.100 | 5.971 | 10 |
| 3 | 3 | 43.700 | 7.689 | 10 |
| 4 | 4 | 40.000 | 7.717 | 10 |
| 5 | 5 | 42.700 | 6.913 | 10 |
| 6 | 6 | 35.100 | 9.960 | 10 |
| 7 | 7 | 37.700 | 7.243 | 10 |
| 8 | 8 | 34.700 | 6.913 | 10 |
| 9 | 9 | 31.400 | 5.379 | 10 |
| 10 | 10 | 31.000 | 6.944 | 10 |
| 11 | 11 | 33.500 | 4.301 | 10 |
| 12 | 12 | 34.900 | 7.400 | 10 |

| | | A | | |
|---|---|---|---|---|
| | | Jales | | |
| | | Mean | SD | N |
| 1 | 1 | 82.800 | 9.897 | 10 |
| 2 | 2 | 86.500 | 12.448 | 10 |
| 3 | 3 | 99.800 | 10.075 | 10 |
| 4 | 4 | 92.800 | 13.734 | 10 |
| 5 | 5 | 96.500 | 7.261 | 10 |
| 6 | 6 | 79.200 | 6.563 | 10 |
| 7 | 7 | 82.400 | 8.909 | 10 |
| 8 | 8 | 76.000 | 10.220 | 10 |
| 9 | 9 | 74.100 | 10.525 | 10 |
| 10 | 10 | 72.300 | 8.341 | 10 |
| 11 | 11 | 70.300 | 12.597 | 10 |
| 12 | 12 | 75.800 | 9.211 | 10 |

| | | A | | |
|---|---|---|---|---|
| | | Santa Isabel | | |
| | | Mean | SD | N |
| 1 | 1 | 65.600 | 7.604 | 10 |
| 2 | 2 | 67.800 | 7.815 | 10 |
| 3 | 3 | 80.100 | 11.120 | 10 |
| 4 | 4 | 75.400 | 12.860 | 10 |
| 5 | 5 | 69.600 | 11.759 | 10 |
| 6 | 6 | 70.000 | 10.328 | 10 |
| 7 | 7 | 67.500 | 9.778 | 10 |
| 8 | 8 | 66.100 | 8.198 | 10 |
| 9 | 9 | 67.300 | 10.750 | 10 |
| 10 | 10 | 62.400 | 8.262 | 10 |
| 11 | 11 | 52.600 | 6.637 | 10 |
| 12 | 12 | 66.400 | 9.755 | 10 |

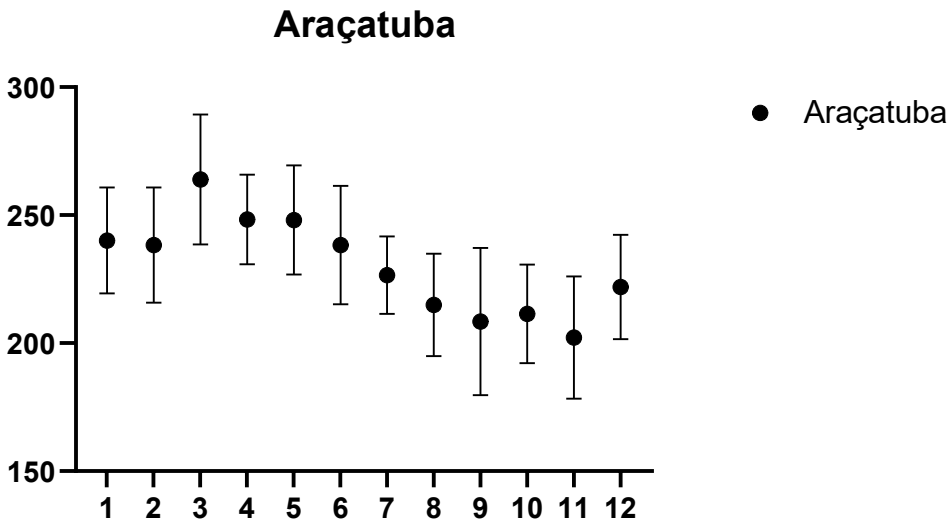
| | | A | | |
|---|---|---|---|---|
| | | Santos | | |
| | | Mean | SD | N |
| 1 | 1 | 969.100 | 59.302 | 10 |
| 2 | 2 | 970.800 | 75.968 | 10 |
| 3 | 3 | 1110.300 | 97.901 | 10 |
| 4 | 4 | 1043.400 | 87.039 | 10 |
| 5 | 5 | 1079.600 | 59.634 | 10 |
| 6 | 6 | 990.400 | 62.400 | 10 |
| 7 | 7 | 1011.100 | 74.441 | 10 |
| 8 | 8 | 946.000 | 63.312 | 10 |
| 9 | 9 | 921.700 | 67.394 | 10 |
| 10 | 10 | 875.100 | 62.164 | 10 |
| 11 | 11 | 819.100 | 59.133 | 10 |
| 12 | 12 | 872.600 | 78.932 | 10 |

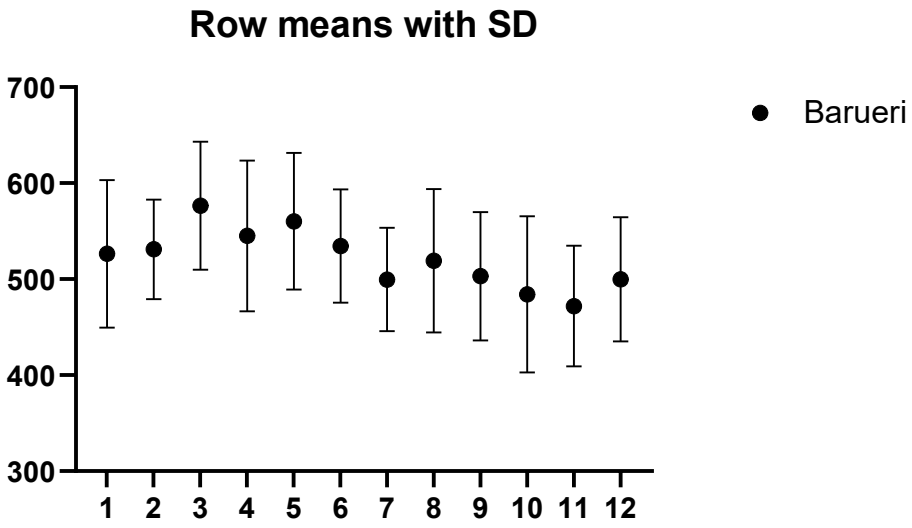
| | | A | | |
|---|---|---|---|---|
| | | São Caetano do Sul | | |
| | | Mean | SD | N |
| 1 | 1 | 113.200 | 32.605 | 10 |
| 2 | 2 | 111.800 | 25.525 | 10 |
| 3 | 3 | 123.000 | 29.918 | 10 |
| 4 | 4 | 113.700 | 24.395 | 10 |
| 5 | 5 | 122.600 | 25.898 | 10 |
| 6 | 6 | 115.500 | 17.840 | 10 |
| 7 | 7 | 115.500 | 24.528 | 10 |
| 8 | 8 | 109.100 | 20.604 | 10 |
| 9 | 9 | 114.400 | 26.730 | 10 |
| 10 | 10 | 108.700 | 23.796 | 10 |
| 11 | 11 | 104.000 | 25.148 | 10 |
| 12 | 12 | 116.600 | 22.026 | 10 |

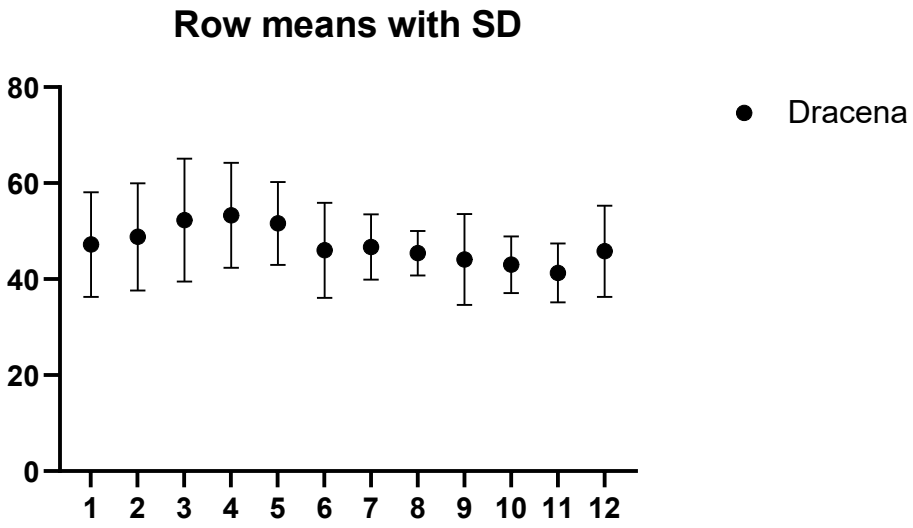
| | | A | | |
|---|---|---|---|---|
| | | São Josã do Rio Preto | | |
| | | Mean | SD | N |
| 1 | 1 | 753.700 | 75.403 | 10 |
| 2 | 2 | 770.500 | 64.602 | 10 |
| 3 | 3 | 863.100 | 71.629 | 10 |
| 4 | 4 | 822.800 | 87.872 | 10 |
| 5 | 5 | 805.100 | 78.865 | 10 |
| 6 | 6 | 737.800 | 76.359 | 10 |
| 7 | 7 | 731.600 | 85.852 | 10 |
| 8 | 8 | 706.100 | 74.414 | 10 |
| 9 | 9 | 688.900 | 64.276 | 10 |
| 10 | 10 | 690.800 | 65.873 | 10 |
| 11 | 11 | 656.800 | 65.399 | 10 |
| 12 | 12 | 719.700 | 75.556 | 10 |

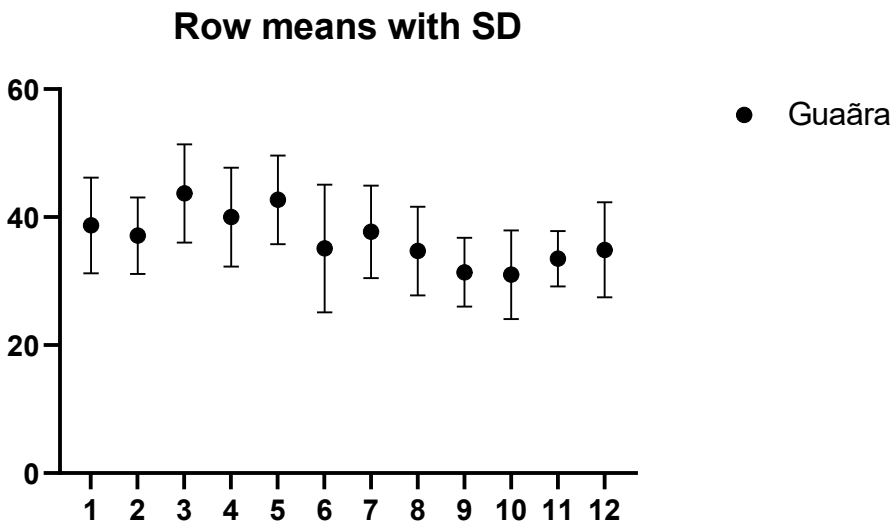
| | | A | | |
|---|---|---|---|---|
| | | São Paulo | | |
| | | Mean | SD | N |
| 1 | 1 | 16272.100 | 690.726 | 10 |
| 2 | 2 | 15745.300 | 571.748 | 10 |
| 3 | 3 | 17611.200 | 748.314 | 10 |
| 4 | 4 | 16542.900 | 602.386 | 10 |
| 5 | 5 | 17110.100 | 521.086 | 10 |
| 6 | 6 | 15988.300 | 621.403 | 10 |
| 7 | 7 | 16033.000 | 619.825 | 10 |
| 8 | 8 | 15634.100 | 504.356 | 10 |
| 9 | 9 | 15472.800 | 706.425 | 10 |
| 10 | 10 | 14881.100 | 737.197 | 10 |
| 11 | 11 | 14313.100 | 573.251 | 10 |
| 12 | 12 | 15326.600 | 799.814 | 10 |

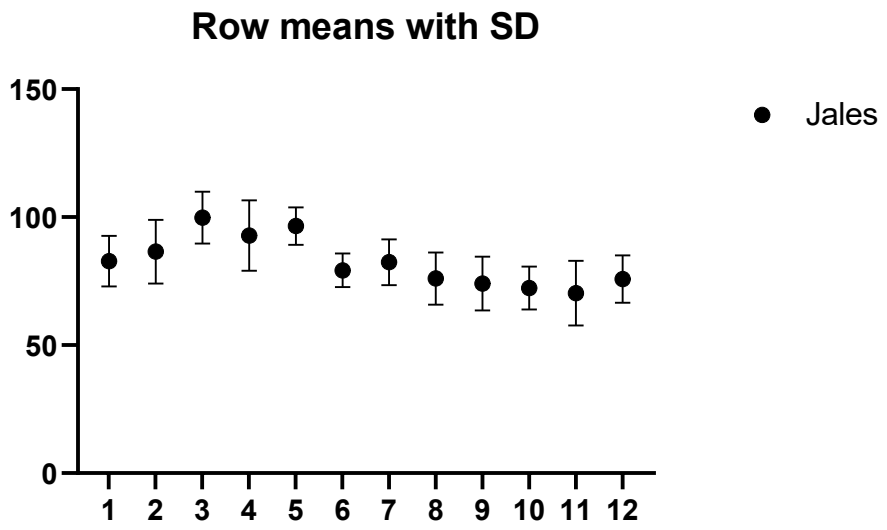
| Simple linear regression<br>Tabular results | | A |
|---|---|---|
| | | |
| 1 | **Best-fit values** | |
| 2 | Slope | -4.208 |
| 3 | Y-intercept | 257.6 |
| 4 | X-intercept | 61.21 |
| 5 | 1/slope | -0.2377 |
| 6 | | |
| 7 | **Std. Error** | |
| 8 | Slope | 0.6220 |
| 9 | Y-intercept | 4.578 |
| 10 | | |
| 11 | **95% Confidence Intervals** | |
| 12 | Slope | -5.439 to -2.976 |
| 13 | Y-intercept | 248.5 to 266.6 |
| 14 | X-intercept | 48.79 to 83.88 |
| 15 | | |
| 16 | **Goodness of Fit** | |
| 17 | R squared | 0.2795 |
| 18 | Sy.x | 23.52 |
| 19 | | |
| 20 | **Is slope significantly non-zero?** | |
| 21 | F | 45.77 |
| 22 | DFn, DFd | 1, 118 |
| 23 | P value | <0.0001 |
| 24 | Deviation from zero? | Significant |
| 25 | | |
| 26 | **Equation** | Y = -4.208*X + 257.( |
| 27 | | |
| 28 | **Data** | |
| 29 | Number of X values | 120 |
| 30 | Maximum number of Y replicates | 10 |
| 31 | Total number of values | 120 |
| 32 | Number of missing values | 0 |

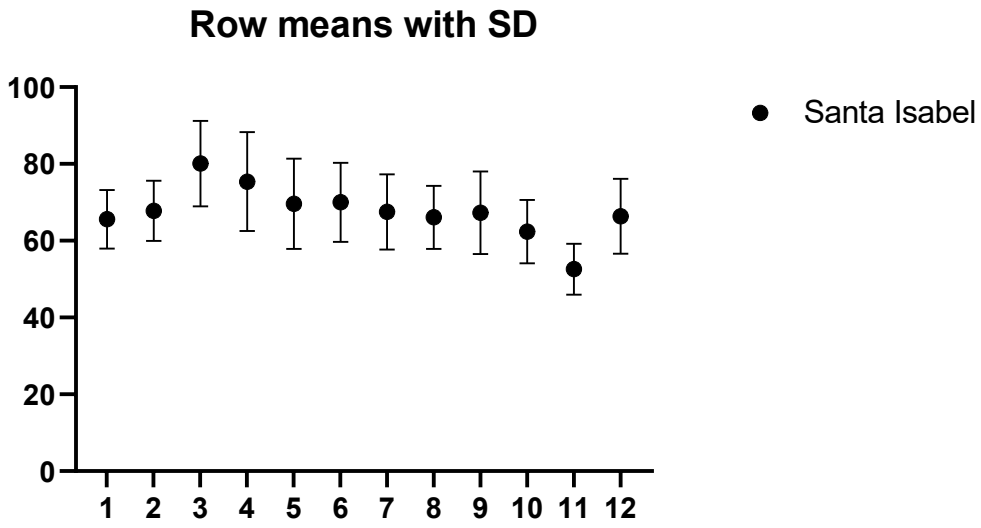

Araçatuba
300
250
200
150
1
2
3
4
5
6
7
8
9
10
11
12
Araçatuba

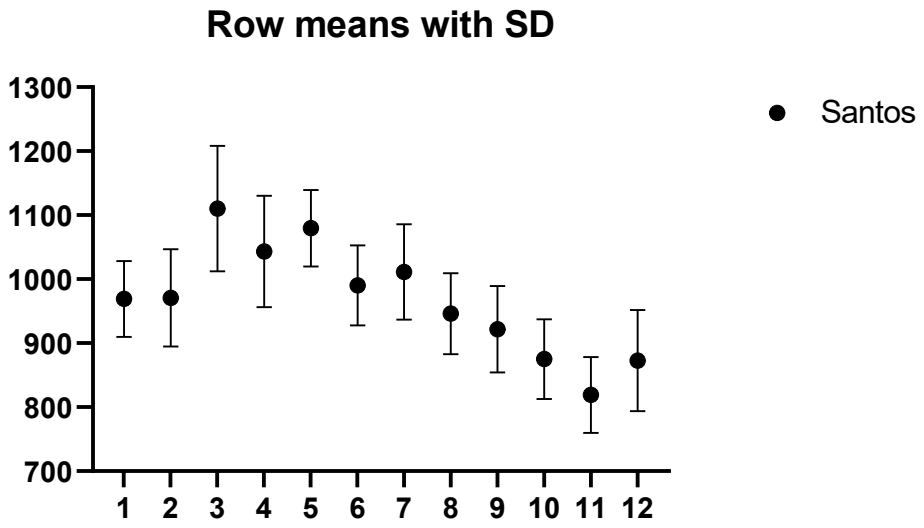

Row means with SD
700
600
500
400
300
1
2
3
4
5
6
7
8
9
10
11
12
Barueri

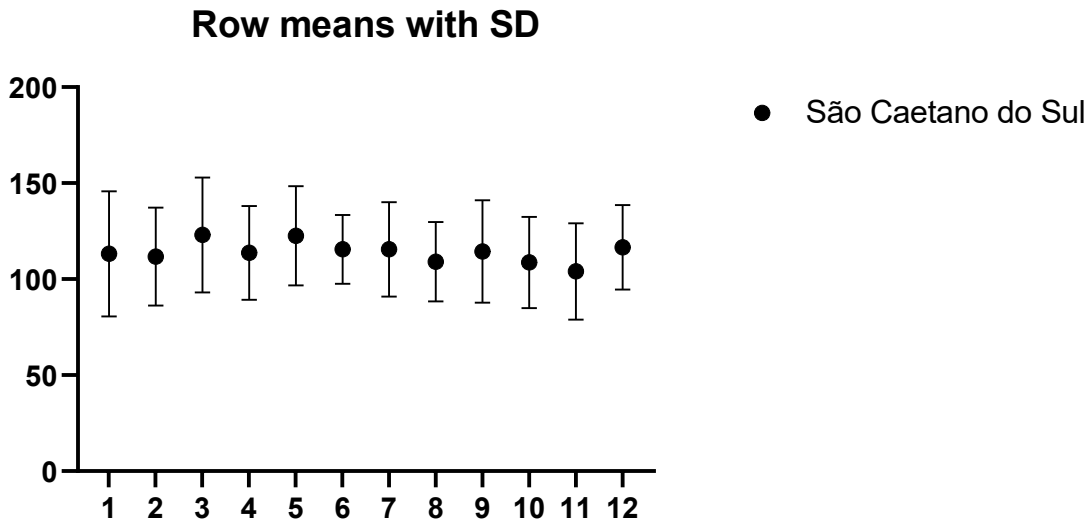

Row means with SD
80
60
40
20
0
1
2
3
4
5
6
7
8
9
10
11
12
Dracena

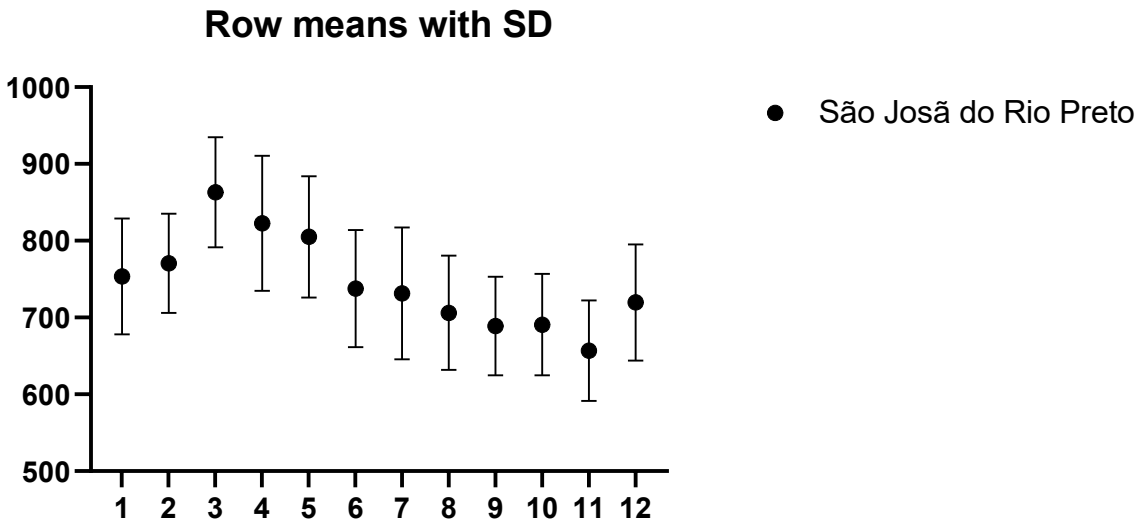

Row means with SD
60
40
20
0
1
2
3
4
5
6
7
8
9
10
11
12
Guaãra

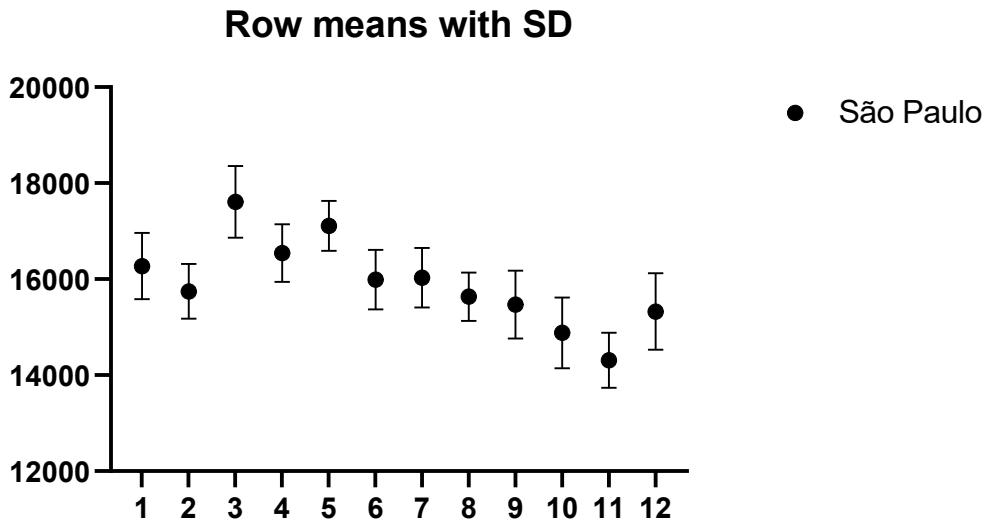

Row means with SD
150
100
50
0
1
2
3
4
5
6
7
8
9
10
11
12
Jales

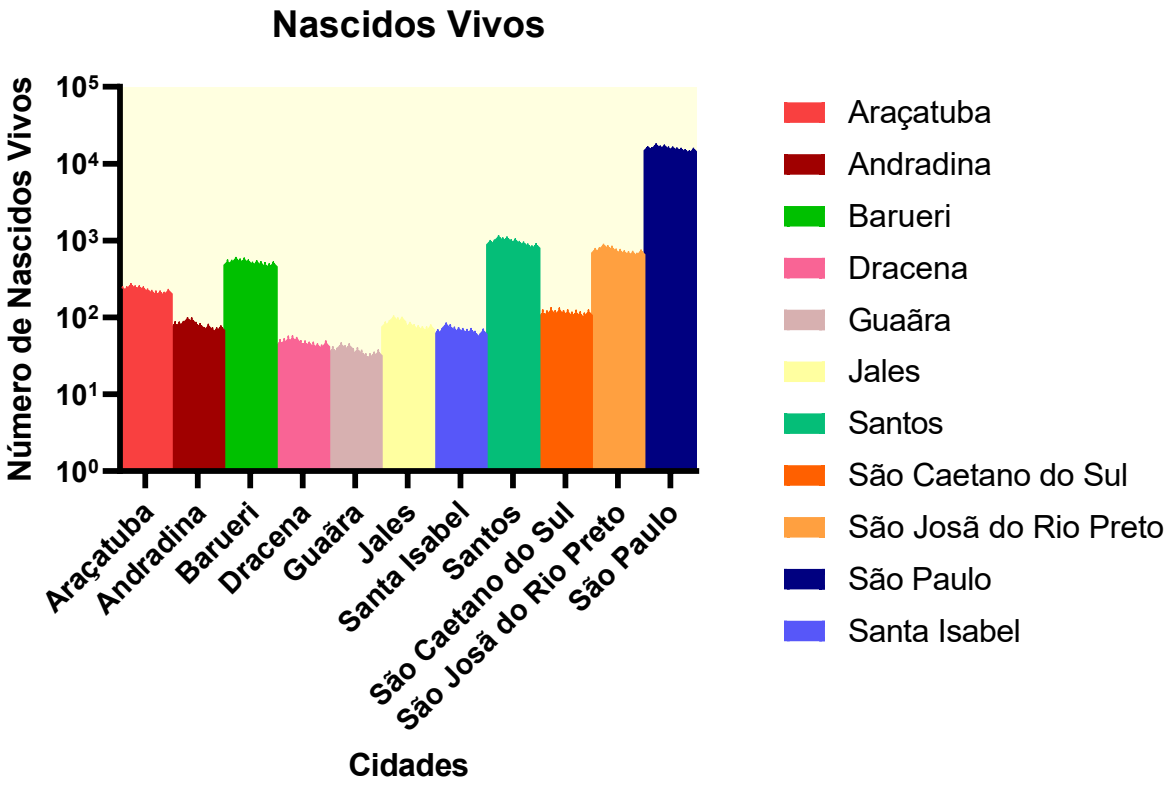

Row means with SD
100
80
60
40
20
0
1
2
3
4
5
6
7
8
9
10
11
12
Santa Isabel


Row means with SD
1300
1200
1100
1000
900
800
700
1 2 3 4 5 6 7 8 9 10 11 12
Santos


Row means with SD
200
150
100
50
0
1
2
3
4
5
6
7
8
9
10
11
12
São Caetano do Sul


Row means with SD
1000
900
800
700
600
500
1 2 3 4 5 6 7 8 9 10 11 12
São Josã do Rio Preto


Row means with SD
20000
18000
16000
14000
12000
1
2
3
4
5
6
7
8
9
10
11
12
São Paulo


Nascidos Vivos
Número de Nascidos Vivos
10⁵
10⁴
10³
10²
10¹
10⁰
Araçatuba
Andradina
Barueri
Dracena
Guaãra
Jales
Santa Isabel
Santos
São Caetano do Sul
São Josã do Rio Preto
São Paulo
Cidades
Araçatuba
Andradina
Barueri
Dracena
Guaãra
Jales
Santos
São Caetano do Sul
São Josã do Rio Preto
São Paulo
Santa Isabel

| Constant | Value |
| --- | --- |
| Experiment Date | 19/2021 |
| Experiment ID | |
| Notebook ID | |
| Project | |
| Experimenter | |
| Protocol | |