**第11讲 预测方法的数据**

表11.1 美国人口统计数据

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 年 | 1790 | 1800 | 1810 | 1820 | 1830 | 1840 | 1850 | 1860 |
| 人口 | 3.9 | 5.3 | 7.2 | 9.6 | 12.9 | 17.1 | 23.2 | 31.4 |
| 年 | 1870 | 1880 | 1890 | 1900 | 1910 | 1920 | 1930 | 1940 |
| 人口 | 38.6 | 50.2 | 62.9 | 76.0 | 92.0 | 106.5 | 123.2 | 131.7 |
| 年 | 1950 | 1960 | 1970 | 1980 | 1990 | 2000 |  |  |
| 人口 | 150.7 | 179.3 | 204.0 | 226.5 | 251.4 | 281.4 |  |  |

表11.3 乡镇企业利润数据表

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 年份 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 利润（万元） | 70 | 122 | 144 | 152 | 174 | 196 | 202 |

表11.4 某大型企业1997—2000年四年产值资料

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 年份 | 1997 | 1998 | 1999 | 2000 |
| 产值/万元 | 27260 | 29547 | 32411 | 35388 |

表11.8 原始数据表

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |
| 398 | 138 | 56.205 | 12.112 | 49.895 | 76.862 | 228.90 | 98.205 | 5540.39 |
| 369 | 118 | 59.044 | 9.330 | 16.595 | 88.805 | 177.45 | 224.953 | 5439.04 |
| 268 | 129 | 56.723 | 28.748 | 89.182 | 51.297 | 166.40 | 263.032 | 4290.00 |
| 484 | 111 | 57.862 | 12.891 | 106.738 | 39.747 | 285.05 | 320.928 | 5502.34 |
| 394 | 146 | 59.117 | 13.381 | 142.552 | 51.651 | 209.30 | 406.989 | 4871.77 |
| 332 | 140 | 60.111 | 11.085 | 61.287 | 20.547 | 180.05 | 246.996 | 4708.08 |
| 336 | 136 | 59.839 | 24.957 | -30.385 | 40.153 | 213.20 | 328.436 | 4627.81 |
| 383 | 104 | 60.052 | 20.809 | -44.586 | 31.645 | 200.85 | 298.456 | 4110.24 |
| 285 | 105 | 63.141 | 8.485 | -28.373 | 12.457 | 176.15 | 218.110 | 4122.69 |
| 277 | 135 | 62.302 | 10.730 | 75.723 | 68.307 | 174.85 | 410.467 | 4842.25 |
| 456 | 128 | 64.922 | 21.874 | 144.030 | 52.453 | 252.85 | 93.006 | 5740.65 |
| 355 | 131 | 64.857 | 23.506 | 112.904 | 76.677 | 208.00 | 307.226 | 5094.10 |
| 364 | 120 | 63.591 | 13.894 | 128.347 | 96.067 | 195.00 | 106.792 | 5383.20 |
| 320 | 147 | 65.614 | 14.865 | 10.097 | 47.979 | 154.05 | 304.921 | 4888.17 |
| 311 | 143 | 67.022 | 22.494 | -24.760 | 27.231 | 180.70 | 59.612 | 4003.13 |
| 362 | 145 | 66.904 | 23.269 | 116.748 | 72.668 | 219.70 | 238.986 | 4941.96 |
| 408 | 131 | 66.184 | 13.035 | 120.406 | 62.312 | 234.65 | 141.074 | 5312.80 |
| 433 | 124 | 67.865 | 8.033 | 121.823 | 24.712 | 258.05 | 290.832 | 5139.87 |
| 359 | 106 | 68.889 | 27.048 | 71.055 | 73.912 | 196.30 | 413.636 | 5397.36 |
| 476 | 138 | 71.417 | 18.220 | 4.186 | 63.273 | 278.85 | 206.454 | 5149.47 |
| 415 | 148 | 69.277 | 7.742 | 46.935 | 28.676 | 207.35 | 79.566 | 5150.83 |
| 420 | 136 | 69.733 | 10.136 | 7.621 | 91.363 | 213.20 | 428.982 | 4989.02 |
| 536 | 111 | 73.162 | 27.370 | 127.509 | 74.016 | 296.40 | 273.072 | 5926.86 |
| 432 | 152 | 73.365 | 15.528 | -49.574 | 16.162 | 245.05 | 309.422 | 4703.88 |
| 436 | 123 | 73.050 | 32.491 | 100.098 | 42.998 | 275.60 | 280.139 | 5365.59 |
| 415 | 119 | 74.910 | 19.712 | -40.183 | 41.134 | 211.25 | 314.548 | 4630.09 |
| 462 | 112 | 73.200 | 14.835 | 68.153 | 92.518 | 282.75 | 212.058 | 5711.86 |
| 429 | 125 | 74.161 | 11.369 | 87.963 | 83.287 | 217.75 | 118.065 | 5095.48 |
| 517 | 142 | 74.283 | 26.751 | 27.098 | 74.892 | 306.90 | 344.553 | 6124.37 |
| 328 | 123 | 77.140 | 19.603 | 59.343 | 87.510 | 210.60 | 140.872 | 4787.34 |
| 418 | 135 | 78.591 | 34.688 | 141.969 | 74.471 | 269.75 | 82.855 | 5035.62 |
| 515 | 120 | 77.093 | 23.202 | 126.420 | 21.271 | 328.25 | 398.425 | 5288.01 |
| 412 | 149 | 78.231 | 35.739 | 29.558 | 26.494 | 258.05 | 124.027 | 4647.01 |
| 455 | 126 | 77.929 | 21.589 | 18.007 | 94.631 | 232.70 | 117.911 | 5315.63 |
| 554 | 138 | 81.039 | 19.569 | 42.352 | 92.544 | 323.70 | 161.250 | 6180.06 |
| 441 | 120 | 79.848 | 15.503 | -21.558 | 50.048 | 267.15 | 405.088 | 4800.97 |
| 417 | 120 | 80.639 | 34.923 | 148.450 | 83.180 | 257.40 | 110.740 | 5512.13 |
| 461 | 132 | 82.284 | 26.549 | -17.584 | 91.221 | 266.50 | 170.392 | 5272.21 |

表11.9 我国人口数据资料（单位：亿）

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 年份 | 49 | 54 | 59 | 64 | 69 | 74 | 79 | 84 | 89 | 94 |
| 人口 | 5.4 | 6.0 | 6.7 | 7.0 | 8.1 | 9.1 | 9.8 | 10.3 | 11.3 | 11.8 |

表11.10 1960—2005年美国出口额数据

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 数据 | 19.65 | 20.108 | 20.781 | 22.272 | 25.501 | 26.461 | 29.31 | 30.666 | 33.626 | 36.414 |
| 序号 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 数据 | 42.469 | 43.319 | 49.381 | 71.410 | 98.306 | 107.088 | 114.745 | 120.816 | 142.075 | 184.439 |
| 序号 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 数据 | 224.25 | 237.044 | 211.157 | 201.799 | 219.926 | 215.915 | 223.344 | 250.208 | 320.23 | 359.916 |
| 序号 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 数据 | 387.401 | 414.083 | 439.631 | 456.943 | 502.859 | 575.204 | 612.113 | 678.366 | 670.416 | 683.965 |
| 序号 | 41 | 42 | 43 | 44 | 45 | 46 |  |  |  |  |
| 数据 | 771.994 | 718.712 | 682.422 | 713.415 | 807.516 | 894.631 |  |  |  |  |

表11.11 产品销售额数据

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 年份 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
| 销售额（亿元） | 2.67 | 3.13 | 3.25 | 3.36 | 3.56 | 3.72 |