**Saint Lucia**

Saint Lucia is an overseas territory of the United Kingdom with a population in 2007 of 171,000. It is an island of 616 square miles and counts as its neighbors Barbados, Saint Vincent, The Grenadines, and Martinique. It is an island with a growing tourist industry and offers the attraction of long sandy beaches, stunning nature trails, superb diving in deep blue waters, and relaxing spas.

With an increased tourism goes the demand for hotel and restaurants. Related to these two hospitality institutions is the volume of wine in thousand liters, sold per month during 2005, 2006, and 2007. This data is given in Table 1. In addition, the local tourist bureau published data on the number of tourists visiting Saint Lucia for the same period. This information is in Table 2.

圣卢西亚岛

圣卢西亚是联合王国的海外领土，2007年人口为17.1万。它是一个面积为616平方英里的岛屿，与巴巴多斯岛、圣文森特岛、格林纳丁斯岛和马提尼克岛相邻。它是一个旅游业不断发展的岛屿，拥有长长的沙滩、令人惊叹的自然小径、极好的深蓝色海水潜水和令人放松的水疗设施。

随着旅游业的增长，对旅馆和餐馆的需求也在增加。与这两家酒店机构相关的是2005年、2006年和2007年期间每月销售的葡萄酒数量(以千升为单位)。该数据见表1。此外，当地旅游局公布了同期前往圣卢西亚的游客人数数据。这一信息见表2。

***Table 1***

|  |  |  |  |
| --- | --- | --- | --- |
| Month | Unit wine sales (1,000 liters) | | |
| 2005 | 2006 | 2007 |
| January | 530 | 535 | 578 |
| February | 436 | 477 | 507 |
| March | 522 | 530 | 562 |
| April | 448 | 482 | 533 |
| May | 422 | 498 | 516 |
| June | 499 | 563 | 580 |
| July | 478 | 488 | 537 |
| August | 400 | 428 | 440 |
| September | 444 | 430 | 511 |
| October | 486 | 486 | 480 |
| November | 437 | 502 | 499 |
| December | 501 | 547 | 542 |

***Table 2***

|  |  |  |  |
| --- | --- | --- | --- |
| Month | Tourist bookings | | |
| 2005 | 2006 | 2007 |
| January | 28,700 | 29,800 | 30,800 |
| February | 23,200 | 25,200 | 28,000 |
| March | 29,000 | 28,000 | 31,000 |
| April | 23,500 | 26,000 | 28,400 |
| May | 21,900 | 25,000 | 27,500 |
| June | 25,300 | 31,000 | 32,000 |
| July | 26,000 | 25,550 | 31,000 |
| August | 20,100 | 23,200 | 22,000 |
| September | 22,300 | 24,100 | 26,000 |
| October | 25,100 | 25,100 | 27,000 |
| November | 22,600 | 27,000 | 28,000 |
| December | 27,000 | 31,900 | 30,200 |

**Required**

Use the data for forecasting purposes and develop and test an appropriate model.

利用这些数据进行预测，并发展和测试一个适当的模型。