第2讲 数学规划与目标规划的数据

表2.1 100m2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 月份 | 1 | 2 | 3 | 4 |
| 所需仓库面积 | 15 | 10 | 20 | 12 |
| 合同租借期限 | 1个月 | 2个月 | 3个月 | 4个月 |
| 合同期内的租费 | 2800 | 4500 | 6000 | 7300 |

表2.2 商业网点的坐标和坐标数据

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 9.4888 | 8.7928 | 11.5960 | 11.5643 | 5.6756 | 9.8497 | 9.1756 | 13.1385 | 15.4663 | 15.5464 |
|  | 5.6817 | 10.3868 | 3.9294 | 4.4325 | 9.9658 | 17.6632 | 6.1517 | 11.8569 | 8.8721 | 15.5868 |

表2.3 的观测值

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 6 | 2 | 6 | 7 | 4 | 2 | 5 | 9 |
|  | 4 | 9 | 5 | 3 | 8 | 5 | 8 | 2 |

表2.4 评价指标数据表

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 学 校 |  |  |  |  |  |  |
| 生均投入(百元/年) | 89.39 | 86.25 | 108.13 | 106.38 | 62.40 | 47.19 |
| 非低收入家庭百分比(%) | 64.3 | 99 | 99.6 | 96 | 96.2 | 79.9 |
| 生均写作得分(分) | 25.2 | 28.2 | 29.4 | 26.4 | 27.2 | 25.2 |
| 生均科技得分(分) | 223 | 287 | 317 | 291 | 295 | 222 |

表2.5 公司股票明年预期收益和收益的协方差矩阵数据

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 股票 | 收益率/% | 协方差 | | | | | |
| 公司1 | 公司2 | 公司3 | 公司4 | 公司5 | 公司6 |
| 公司1 | 20 | 0.032 | 0.005 | 0.03 | -0.031 | -0.027 | 0.01 |
| 公司2 | 42 | 0.005 | 0.1 | 0.085 | -0.07 | -0.05 | 0.02 |
| 公司3 | 100 | 0.03 | 0.085 | 0.333 | -0.11 | -0.02 | 0.042 |
| 公司4 | 50 | -0.031 | -0.07 | -0.11 | 0.125 | 0.05 | -0.06 |
| 公司5 | 46 | -0.027 | -0.05 | -0.02 | 0.05 | 0.065 | -0.02 |
| 公司6 | 30 | 0.01 | 0.02 | 0.042 | -0.06 | -0.02 | 0.08 |

表2.6 面试时间要求

|  |  |  |  |
| --- | --- | --- | --- |
|  | 秘书初试 | 主管复试 | 经理面试 |
| 同学甲 | 14 | 16 | 21 |
| 同学乙 | 19 | 17 | 10 |
| 同学丙 | 10 | 15 | 12 |
| 同学丁 | 9 | 12 | 13 |

表2.7 的观测值

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 6 | 2 | 6 | 7 | 4 | 2 | 5 | 9 |
|  | 4 | 9 | 5 | 3 | 8 | 5 | 8 | 2 |
|  | 2 | 5 | 6 | 3 | 6 | 6 | 8 | 7 |
|  | 5 | 2 | 1 | 9 | 7 | 4 | 3 | 3 |