**Supplementary data**

**Study on the factors affecting the competitiveness of biopharmaceutical industry cluster: Evidence from Guangdong and Zhejiang of China**

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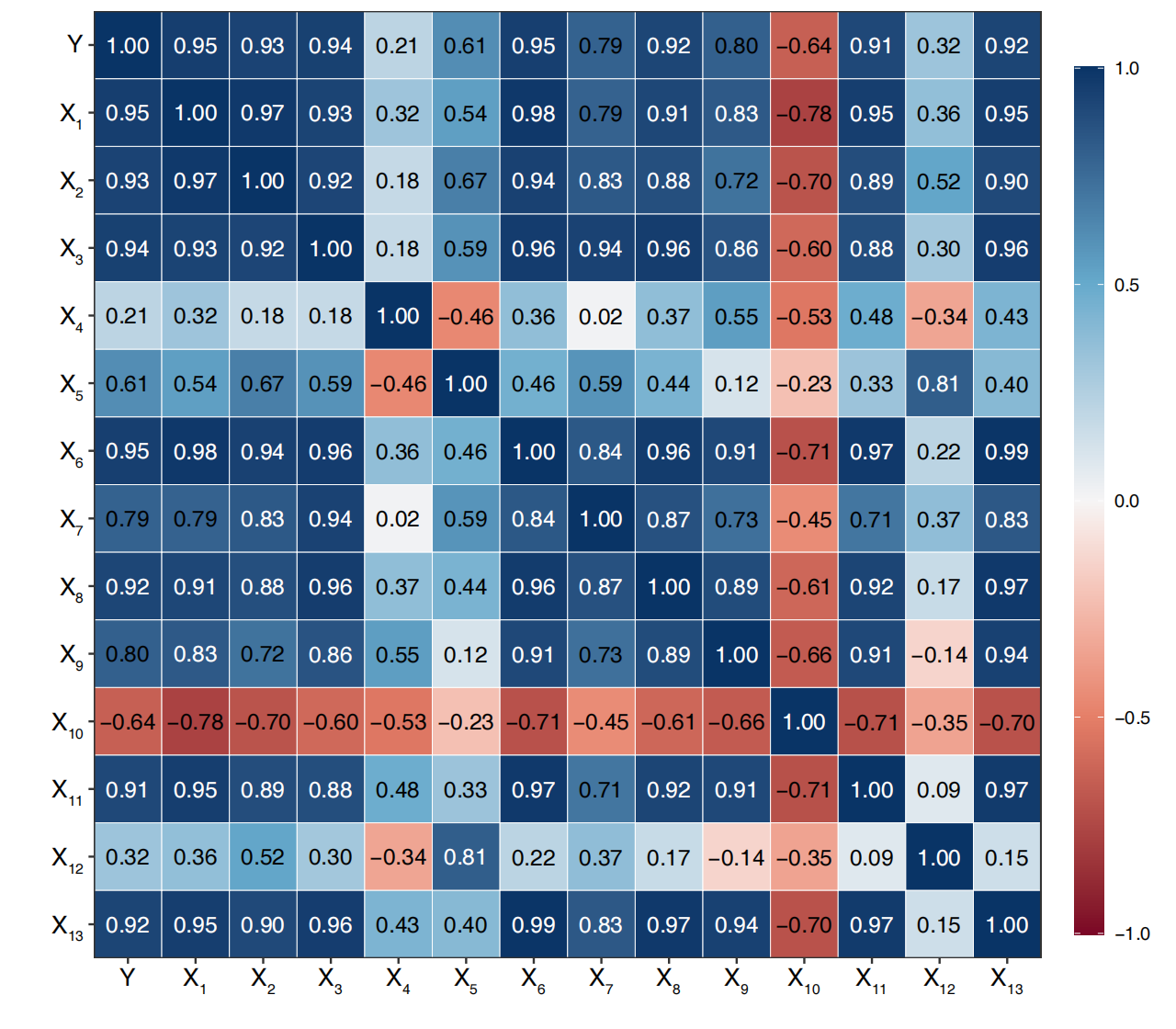
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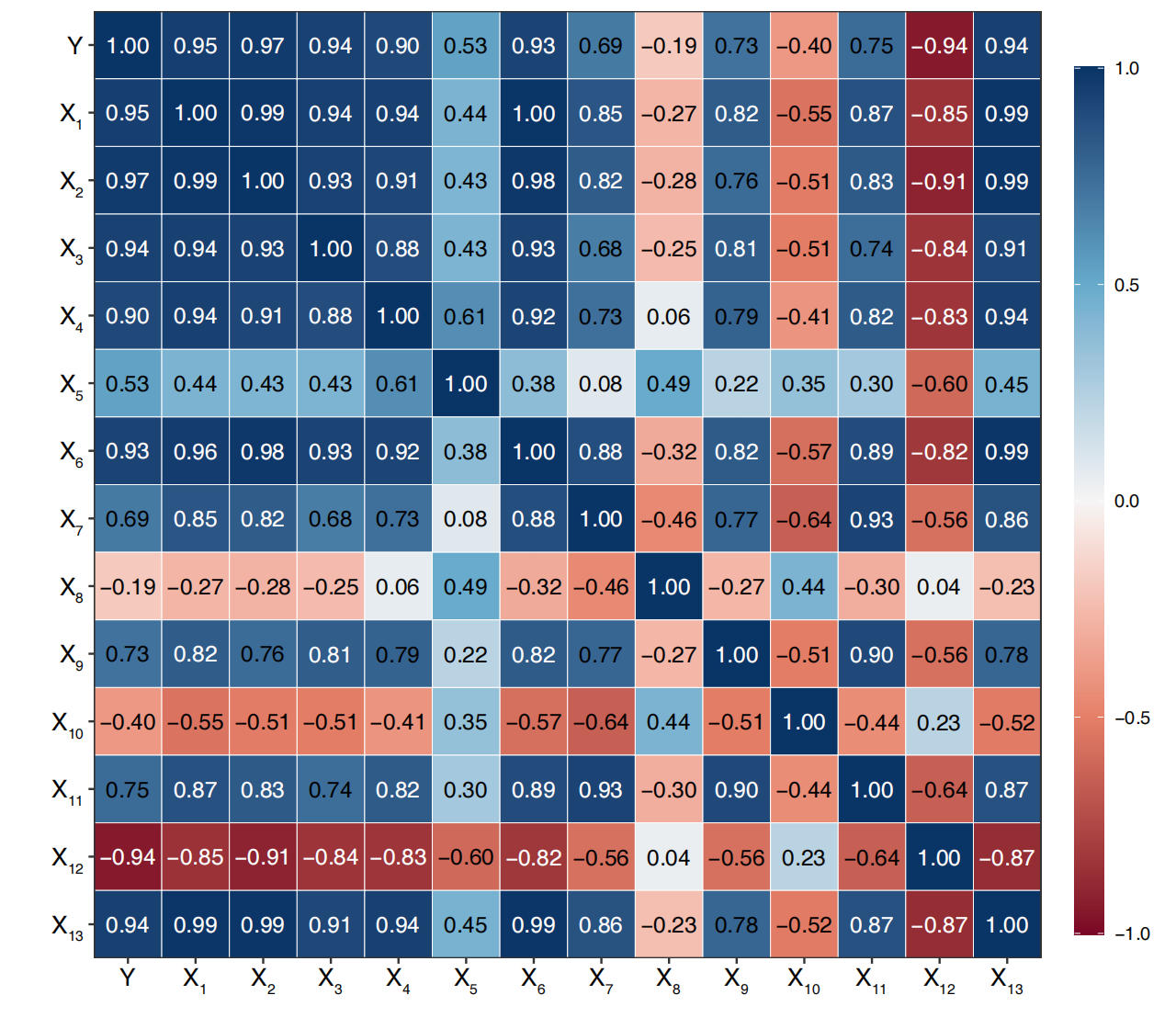
**Appendices**

**Appendices A：Supplementary Figures**



**Figure A.1**

Correlation Matrix of Guangdong.

**Figure A.2**

Correlation Matrix of Zhejiang.

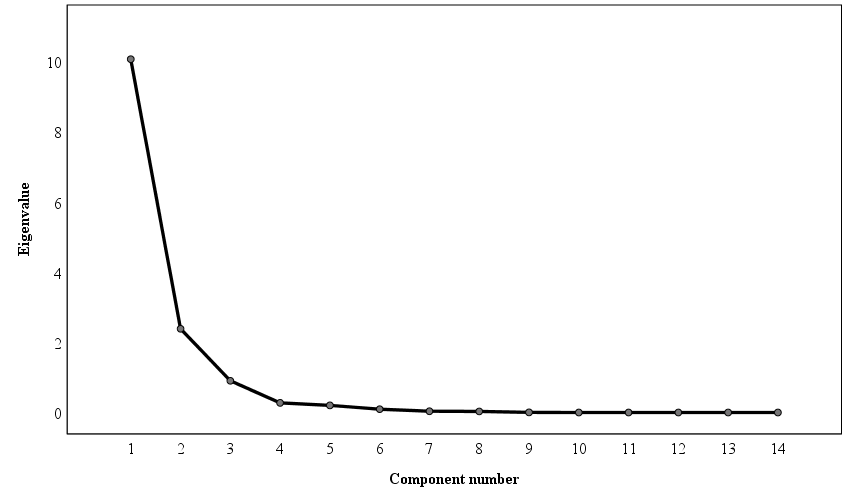
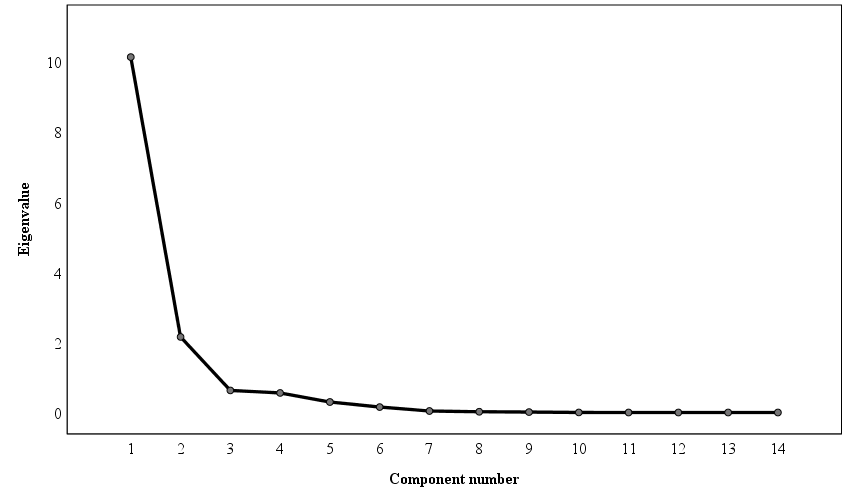


Figure A.3

Scatter plot of Guangdong.



**Figure A.4**

Scatter plot of Zhejiang.

Appendices B：Supplementary Tables

Table B.1

Total Variance Explained in Guangdong.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Components** | **Initial eigenvalue** | | | **The squared sum of extracted loads** | | |
| **Total** | **VP****1** | **CCR****2（%）** | **Total** | **VP1** | **CCR2（%）** |
| 1 | 10.07 | 71.91 | 71.91 | 10.07 | 71.91 | 71.91 |
| 2 | 2.39 | 17.04 | 88.95 | 2.39 | 17.04 | 88.95 |
| 3 | 0.90 | 6.46 | 95.41 |  |  |  |
| 4 | 0.27 | 1.96 | 97.37 |  |  |  |
| 5 | 0.20 | 1.45 | 98.82 |  |  |  |
| ︙ | ︙ | ︙ | ︙ |  |  |  |
| 14 | 0.00 | 0.00 | 100.00 |  |  |  |

1 VP: Variance Percentage; 2 CCR: Cumulative Contribution Rate.

Table B.2

Total Variance Explained in Zhejiang.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Components** | **Initial eigenvalue** | | | **The squared sum of extracted loads** | | |
| **Total** | **VP1** | **CCR2（%）** | **Total** | **VP1** | **CCR2（%）** |
| 1 | 10.13 | 72.34 | 72.34 | 10.13 | 72.34 | 72.34 |
| 2 | 2.15 | 15.38 | 87.72 | 2.15 | 15.38 | 87.72 |
| 3 | 0.63 | 4.50 | 92.22 |  |  |  |
| 4 | 0.56 | 3.98 | 96.20 |  |  |  |
| 5 | 0.30 | 2.14 | 98.33 |  |  |  |
| ︙ | ︙ | ︙ | ︙ |  |  |  |
| 14 | 0.00 | 0.00 | 100.00 |  |  |  |

1 VP: Variance Percentage; 2 CCR: Cumulative Contribution Rate.