(a)

|  |
| --- |
| *Statistical software output:* |

(b) (i)

|  |
| --- |
| *Statistical software output:*  |
| *Answer:* |

 (ii)

|  |
| --- |
| *Answer:* |

(c) (i)

|  |
| --- |
| *Statistical software output:*  |
| *Answer:* |

 (ii)

|  |
| --- |
| *Answer:* |

(d)

|  |
| --- |
| *Answer:* |