**2.2.2** The median incomes of females in each state of the United States, including the District of Columbia and Puerto Rico, are given in table #2.2.10 ("Median income of," 2013). Create a frequency distribution, relative frequency distribution, and cumulative frequency distribution using 7 classes.

**Table #2.2.10: Data of Median Income for Females**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| $31,862 | $40,550 | $36,048 | $30,752 | $41,817 | $40,236 | $47,476 | $40,500 |
| $60,332 | $33,823 | $35,438 | $37,242 | $31,238 | $39,150 | $34,023 | $33,745 |
| $33,269 | $32,684 | $31,844 | $34,599 | $48,748 | $46,185 | $36,931 | $40,416 |
| $29,548 | $33,865 | $31,067 | $33,424 | $35,484 | $41,021 | $47,155 | $32,316 |
| $42,113 | $33,459 | $32,462 | $35,746 | $31,274 | $36,027 | $37,089 | $22,117 |
| $41,412 | $31,330 | $31,329 | $33,184 | $35,301 | $32,843 | $38,177 | $40,969 |
| $40,993 | $29,688 | $35,890 | $34,381 |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class Limits/Intervals** | **Class Boundaries** | **Class Midpoint** | **Relative frequency distribution** | **Cumulative frequency distribution** |
|  |  |  |  |  |
|  |  |  |  |  |
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|  |  |  |  |  |
|  |  |  |  |  |

**2.2.6**

Create a histogram and relative frequency histogram for the data in table #2.2.10. Describe the shape and any findings you can from the graph.

**2.2.10**

Create an ogive for the data in table #2.2.10. Describe any findings you can from the graph.