**Biostatistics: Quiz I**

**Complete the following table to describe the type of the following data**

|  |  |  |
| --- | --- | --- |
| **Data** | **Quantitative (A) Qualitative (B)** | **Discrete (A)**  **Nominal (B)**  **Ordinal (C)**  **Continuous (D)** |
| **Age** |  |  |
| **Sex** |  |  |
| **Height** |  |  |
| **Educational level** |  |  |
| **Grade** |  |  |
| **Weight** |  |  |
| **HB%** |  |  |
| **Blood group** |  |  |
| **Family size** |  |  |
| **Pulse** |  |  |
| **Blood pressure** |  |  |
| **Religion** |  |  |
| **Income** |  |  |
| **Crowding index** |  |  |
| **Residence** |  |  |
| **Disease outcome** |  |  |
| **Cholesterol level** |  |  |
| **Results of pregnancy test** |  |  |
| **Respiratory rate** |  |  |
| **Nationality** |  |  |

Forty patients were selected randomly from among patients admitted to Al-Karak Hospital, in January 2006. The following data were collected on each subject.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Case #** | **Age** | **Family size** | **SBP** | **Sex** | **Obesity** |
| 1 | 25 | 4 | 110 | Male | Normal |
| 2 | 56 | 6 | 160 | Female | Obese |
| 3 | 19 | 3 | 100 | Male | Slim |
| 4 | 25 | 8 | 102 | Female | Normal |
| 5 | 67 | 5 | 170 | Female | Normal |
| 6 | 44 | 6 | 130 | Male | Obese |
| 7 | 32 | 4 | 120 | Female | Obese |
| 8 | 36 | 8 | 122 | Male | Slim |
| 9 | 72 | 9 | 150 | Male | Slim |
| 10 | 55 | 5 | 120 | Female | Normal |
| 11 | 64 | 12 | 190 | Female | Slim |
| 12 | 18 | 8 | 90 | Female | Obese |
| 13 | 21 | 10 | 105 | Male | Slim |
| 14 | 34 | 3 | 125 | Female | Slim |
| 15 | 36 | 4 | 70 | Male | Normal |
| 16 | 43 | 8 | 120 | Female | Normal |
| 17 | 23 | 6 | 80 | Female | Obese |
| 18 | 26 | 9 | 70 | Female | Slim |
| 19 | 51 | 7 | 130 | Male | Obese |
| 20 | 46 | 9 | 125 | Male | Normal |
| 21 | 25 | 4 | 100 | Male | Normal |
| 22 | 56 | 6 | 210 | Female | Obese |
| 23 | 19 | 3 | 85 | Male | Slim |
| 24 | 25 | 8 | 120 | Female | Normal |
| 25 | 67 | 5 | 200 | Female | Normal |
| 26 | 44 | 6 | 130 | Male | Obese |
| 27 | 32 | 4 | 134 | Female | Obese |
| 28 | 36 | 8 | 120 | Male | Slim |
| 29 | 72 | 9 | 150 | Male | Slim |
| 30 | 55 | 5 | 100 | Female | Normal |
| 31 | 64 | 12 | 160 | Female | Slim |
| 32 | 18 | 8 | 90 | Female | Obese |
| 33 | 21 | 10 | 120 | Male | Slim |
| 34 | 34 | 3 | 123 | Female | Slim |
| 35 | 36 | 4 | 132 | Male | Normal |
| 36 | 43 | 8 | 128 | Female | Normal |
| 37 | 23 | 6 | 140 | Female | Obese |
| 38 | 26 | 9 | 11 | Female | Slim |
| 39 | 51 | 7 | 150 | Male | Obese |
| 40 | 46 | 9 | 130 | Male | Normal |

1. Make a complete frequency distribution table for each variable
2. Make all possible suitable graphs for each variable