**Chapter 3**

**3.1 Methods of moment:**

* **COMPLETE DATA:**

**3.2.1 Maximum likelihood method:**

**3.2.2 Maximum likelihood method for grouped data:**

|  |  |
| --- | --- |
| Interval | # of observation |
|  |  |
|  | : |
|  |  |

**3.2.3 Maximum likelihood method for mixed data:**

|  |  |
| --- | --- |
| Interval | # of observation |
|  |  |
|  | : |
|  |  |
|  |  |
| : | : |
|  |  |

* **INCOMPLETE DATA:**

**Censored data:**

* Left-censored data: an observation less than value d is recorded as d
* Right-censored data: an observation greater than value u is recorded as u

**Truncated data:**

* Left-truncated data: an observation less than value d is not recorded
* Right-truncated data: an observation greater than value u is not recorded

**3.3 Method of percentiles:**

1. Order data
2. Find p

**3.4 Fisher information**