

Database for Time series Analysis of Bio-Geography Data
Excercise-1: 3-Yearly Moving Average Method

Table: Year-wise Revenue of Forest in West Bengal

| Year | Revenue (Rs. In Lakh) |
|-------------|------------------------------|
| 2000-01 | 6577.36 |
| 2001-02 | 7222.07 |
| 2002-03 | 10689.44 |
| 2003-04 | 9869.28 |
| 2004-05 | 10520.95 |
| 2005-06 | 11393.81 |
| 2006-07 | 12911.63 |
| 2007-08 | 15215.34 |
| 2008-09 | 13670.93 |
| 2009-10 | 15461.65 |
| 2010-11 | 15223.83 |
| 2011-12 | 14116.89 |
| 2012-13 | 15824.94 |
| 2013-14 | 17280.87 |
| 2014-15 | 20209.89 |

Source: Statistical Abstract-2015, Govt. of West Bengal

Excercise-2: Semi-Average Method

Table: Year-wise Production of Inland Fish in West Bengal (in '000 tonnes)

| Year | Fish Production (in '000 tonnes) |
|-------------|---|
| 2009-10 | 1326 |
| 2010-11 | 1246 |
| 2011-12 | 1290 |
| 2012-13 | 1338 |
| 2013-14 | 1392 |
| 2014-15 | 1438 |

Source: Statistical Abstract-2015, Govt. of West Bengal

Excercise-3: Least Square Method

Table: Year-wise Production of Marine Fish in West Bengal (in '000 tonnes)

| Year | Fish Production (in '000 tonnes) |
|-------------|---|
| 2009-10 | 179 |
| 2010-11 | 197 |
| 2011-12 | 182 |
| 2012-13 | 152 |
| 2013-14 | 188 |
| 2014-15 | 179 |

Source: Statistical Abstract-2015, Govt. of West Bengal