Data Analysis On Indian Cities

Shri Vishnu Engineering for Women(Autonomous)

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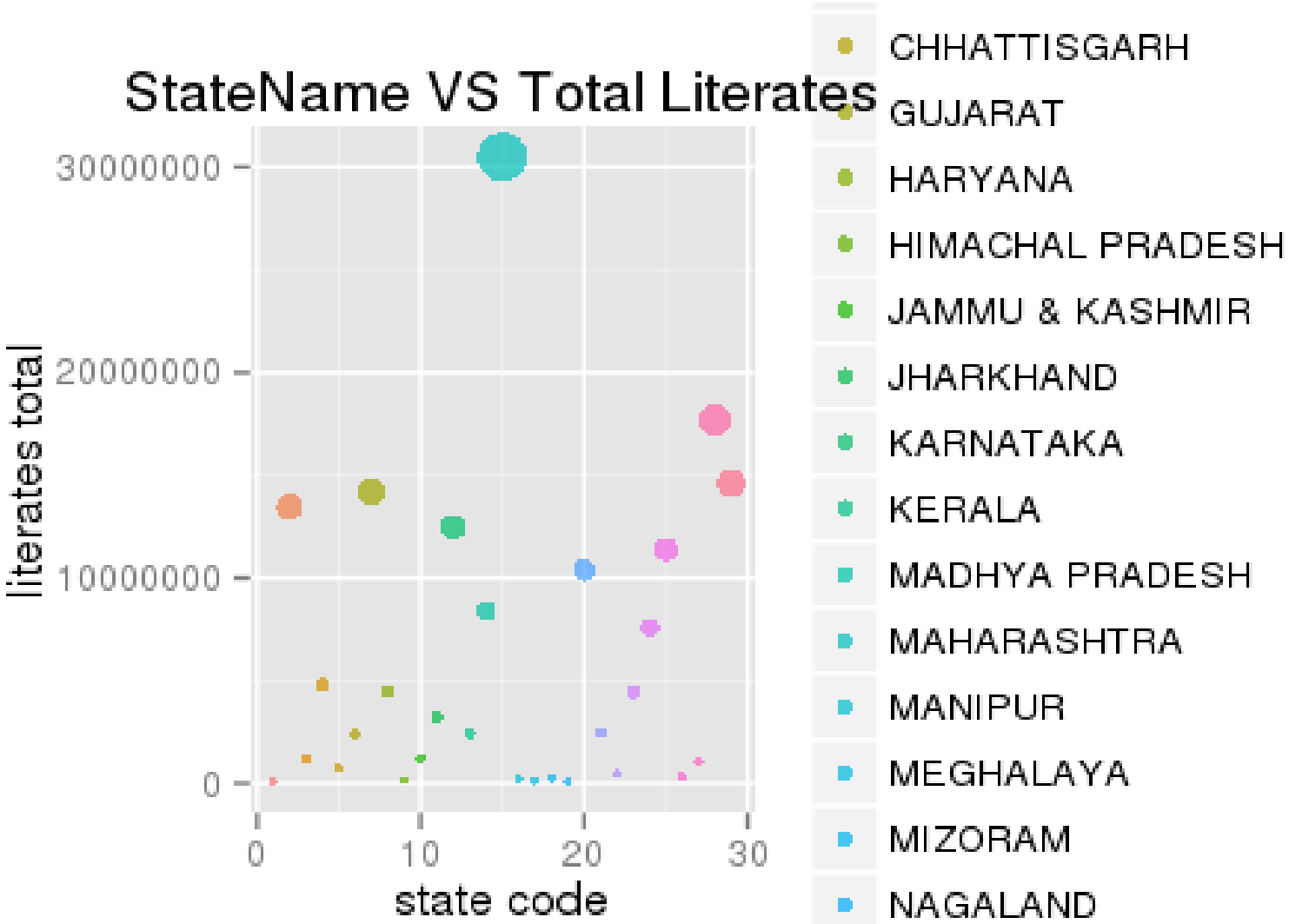
Data Set Description

Indian Cities dataset represents details about Population, Literates, Effective Literacy Rate,and Graduates of different cities

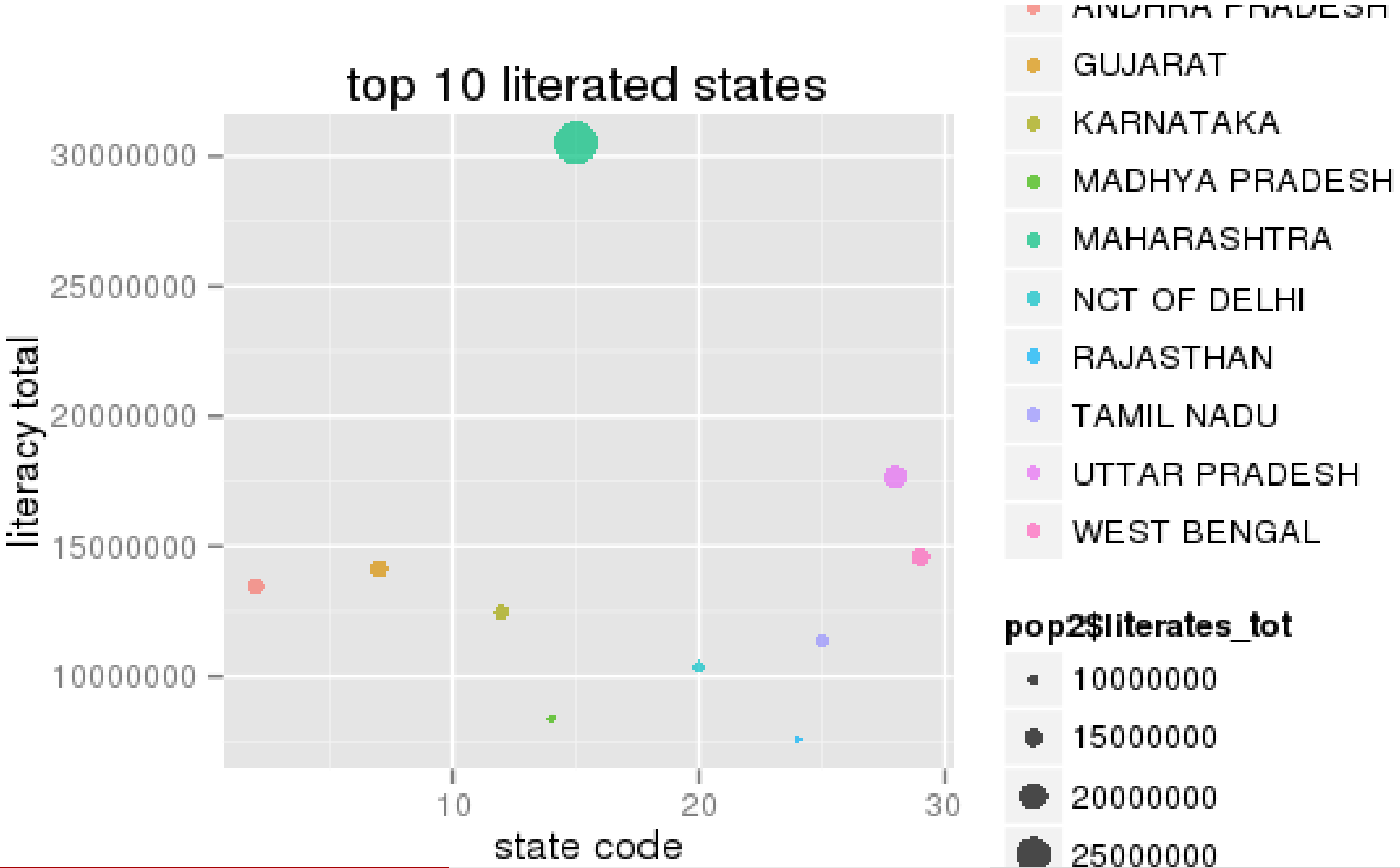
Findings

- States having maximum number of literates
- States having minimum number of literates
- Number of Female literates and Male literates in a state
- State having Highest effective literacy rate
- Maximum number of graduates in a state
- Predicting total number of graduates in a state using male graduates

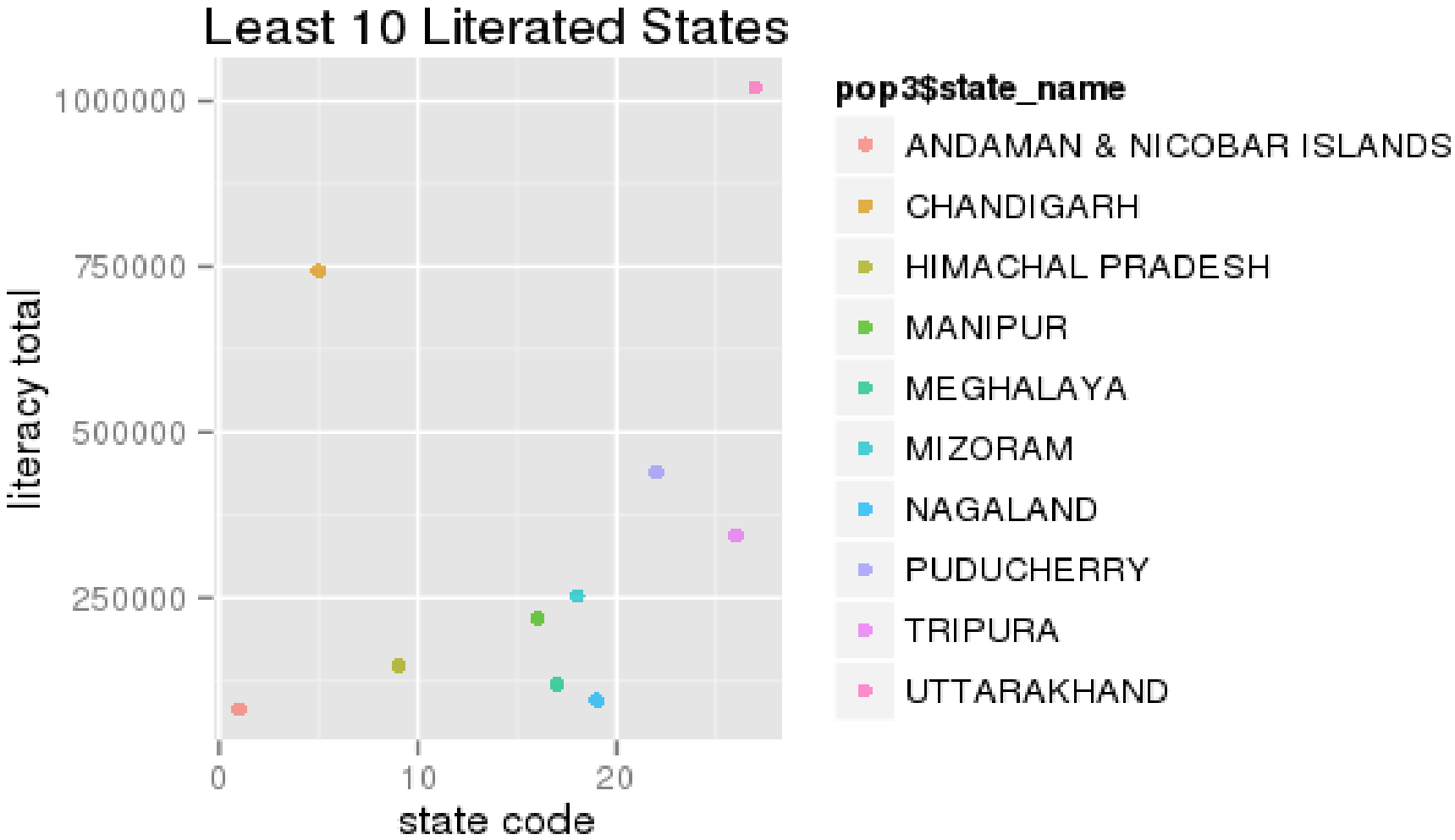
QPLOT


StateName VS Total Literates
literates total
30000000
20000000
10000000
0
0
10
20
30
state code
CHHATTISGARH
GUJARAT
HARYANA
HIMACHAL PRADESH
JAMMU & KASHMIR
JHARKHAND
KARNATAKA
KERALA
MADHYA PRADESH
MAHARASHTRA
MANIPUR
MEGHALAYA
MIZORAM
NAGALAND

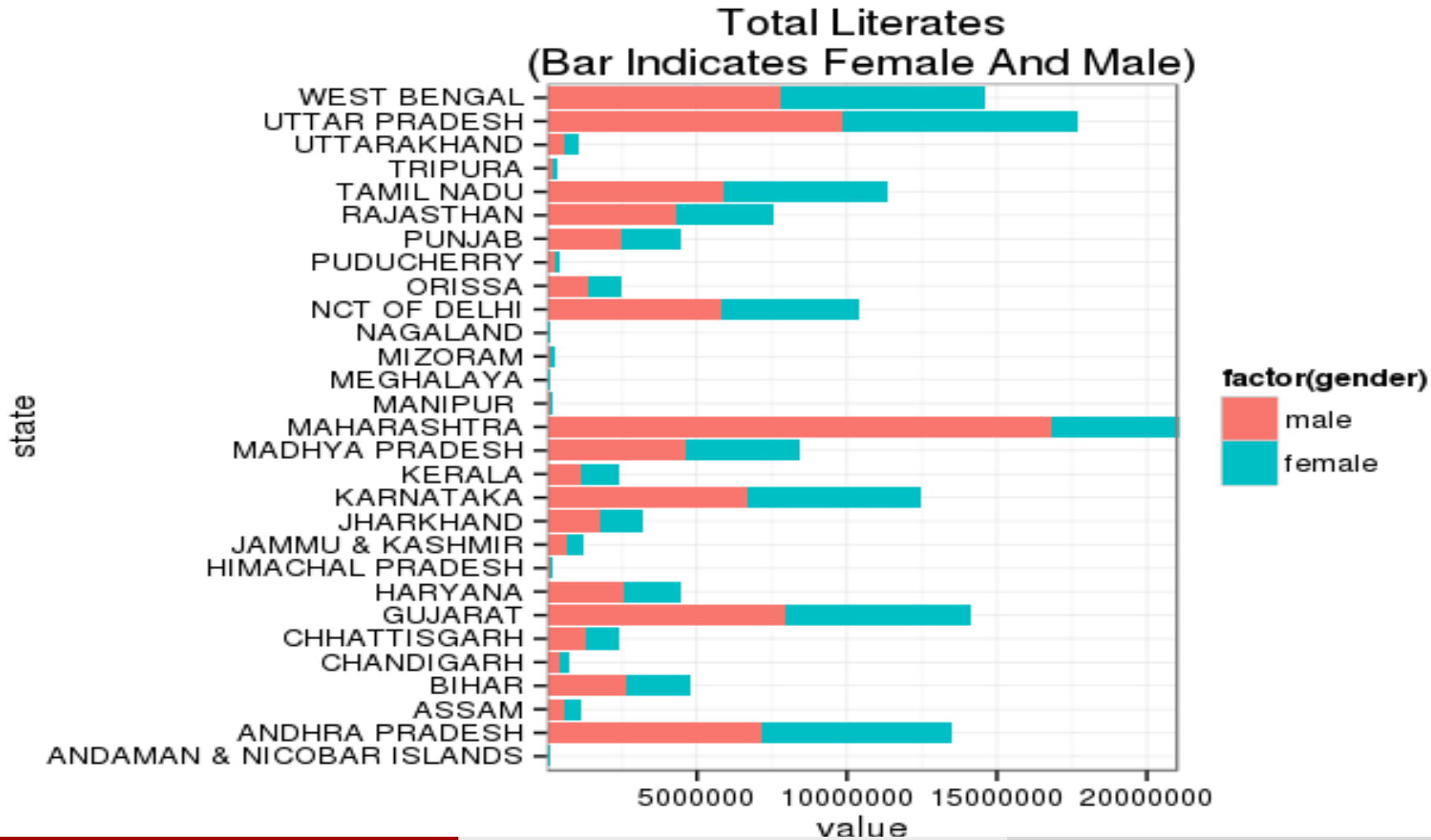
QPLOT


top 10 literated states
literacy total
30000000
25000000
20000000
15000000
10000000
10
20
30
state code
ANDHRA PRADESH
GUJARAT
KARNATAKA
MADHYA PRADESH
MAHARASHTRA
NCT OF DELHI
RAJASTHAN
TAMIL NADU
UTTAR PRADESH
WEST BENGAL
pop2$literates_tot
10000000
15000000
20000000
25000000

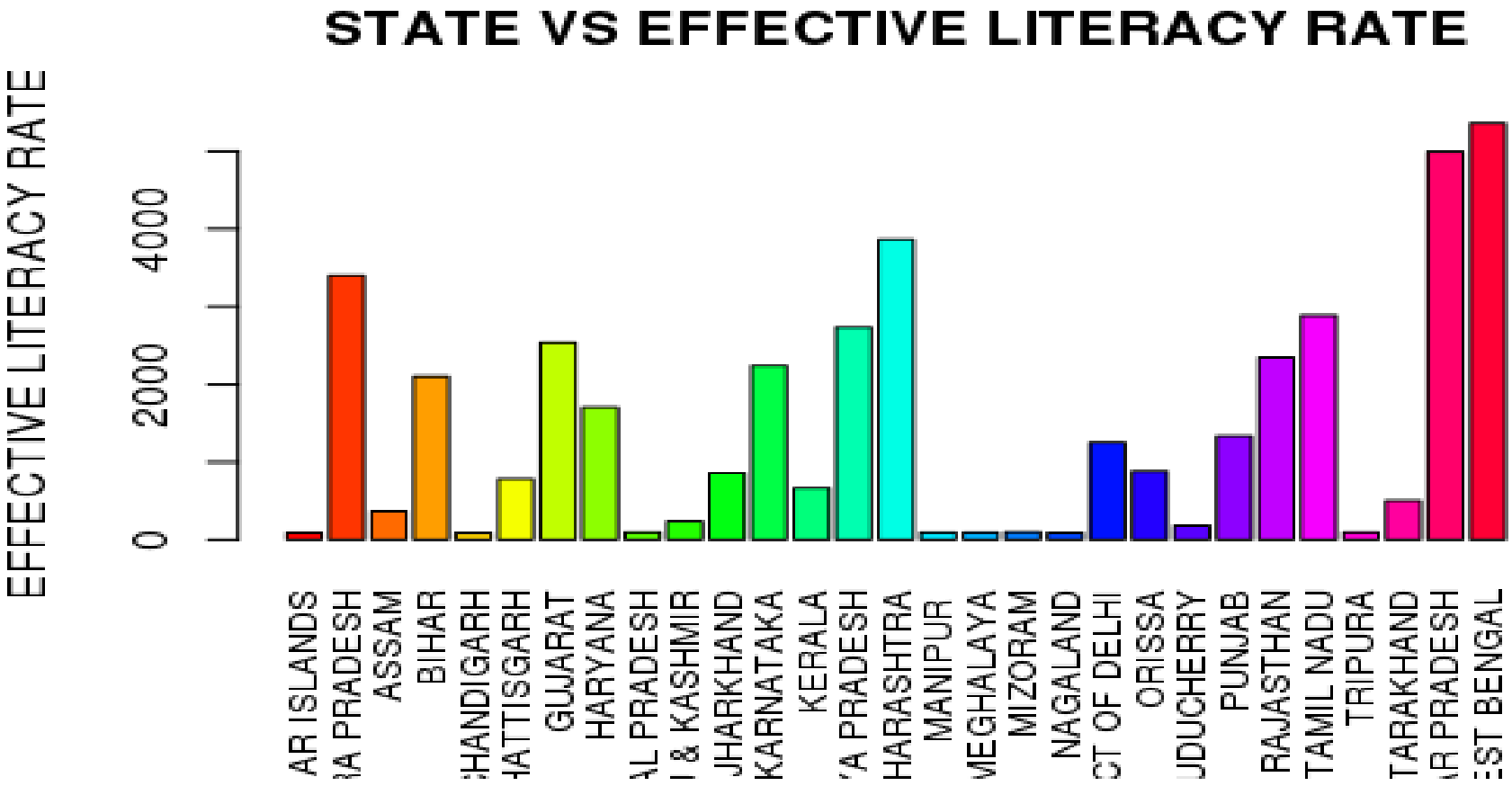
QPLOT


Least 10 Literated States
literacy total
1000000
750000
500000
250000
0
10
20
state code
pop3$state_name
ANDAMAN & NICOBAR ISLANDS
CHANDIGARH
HIMACHAL PRADESH
MANIPUR
MEGHALAYA
MIZORAM
NAGALAND
PUDUCHERRY
TRIPURA
UTTARAKHAND

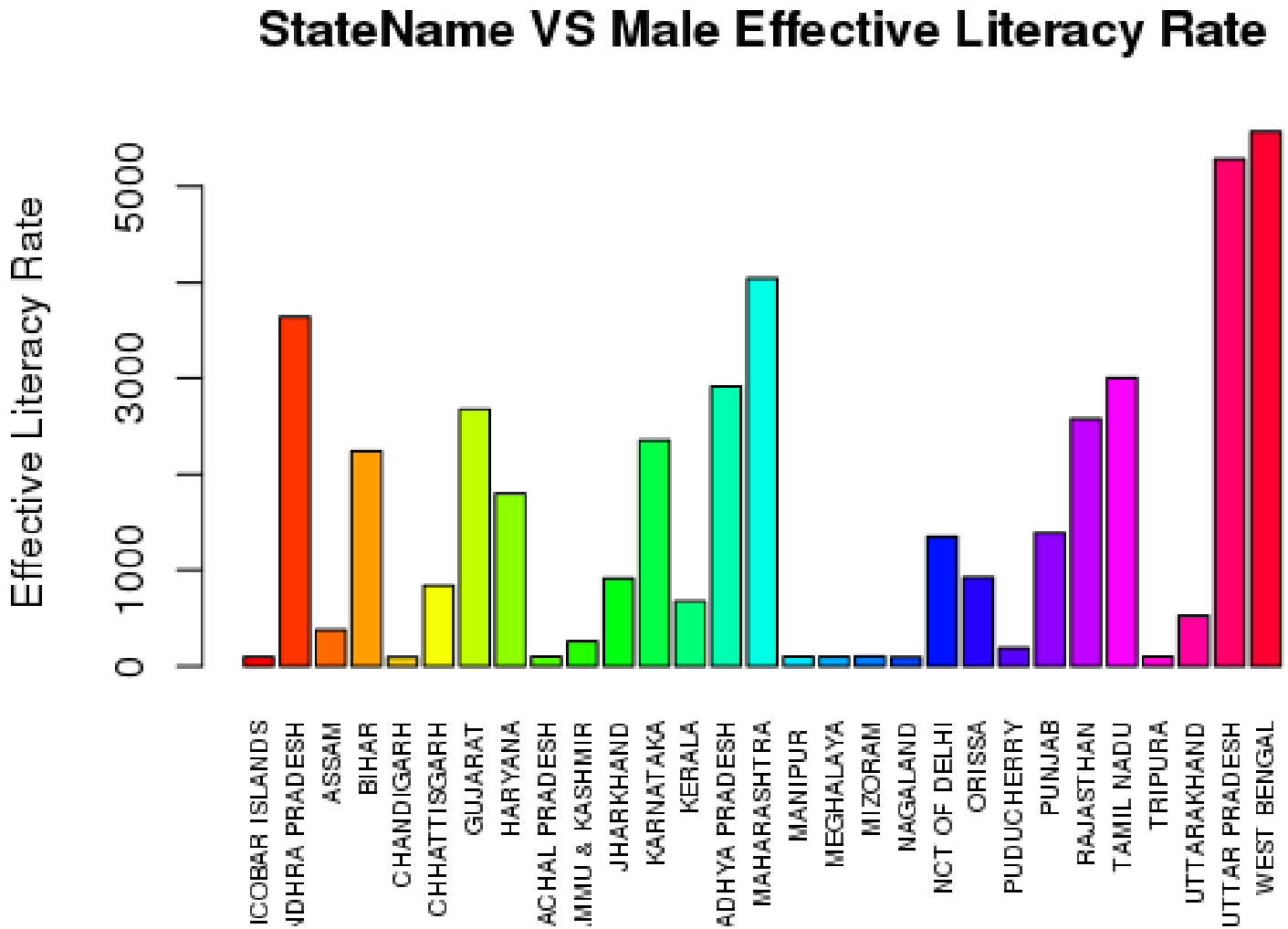
GGPLOT


Total Literates
(Bar Indicates Female And Male)
state
WEST BENGAL
UTTAR PRADESH
UTTARAKHAND
TRIPURA
TAMIL NADU
RAJASTHAN
PUNJAB
PUDUCHERRY
ORISSA
NCT OF DELHI
NAGALAND
MIZORAM
MEGHALAYA
MANIPUR
MAHARASHTRA
MADHYA PRADESH
KERALA
KARNATAKA
JHARKHAND
JAMMU & KASHMIR
HIMACHAL PRADESH
HARYANA
GUJARAT
CHHATTISGARH
CHANDIGARH
BIHAR
ASSAM
ANDHRA PRADESH
ANDAMAN & NICOBAR ISLANDS
5000000
10000000
15000000
20000000
value
factor(gender)
male
female

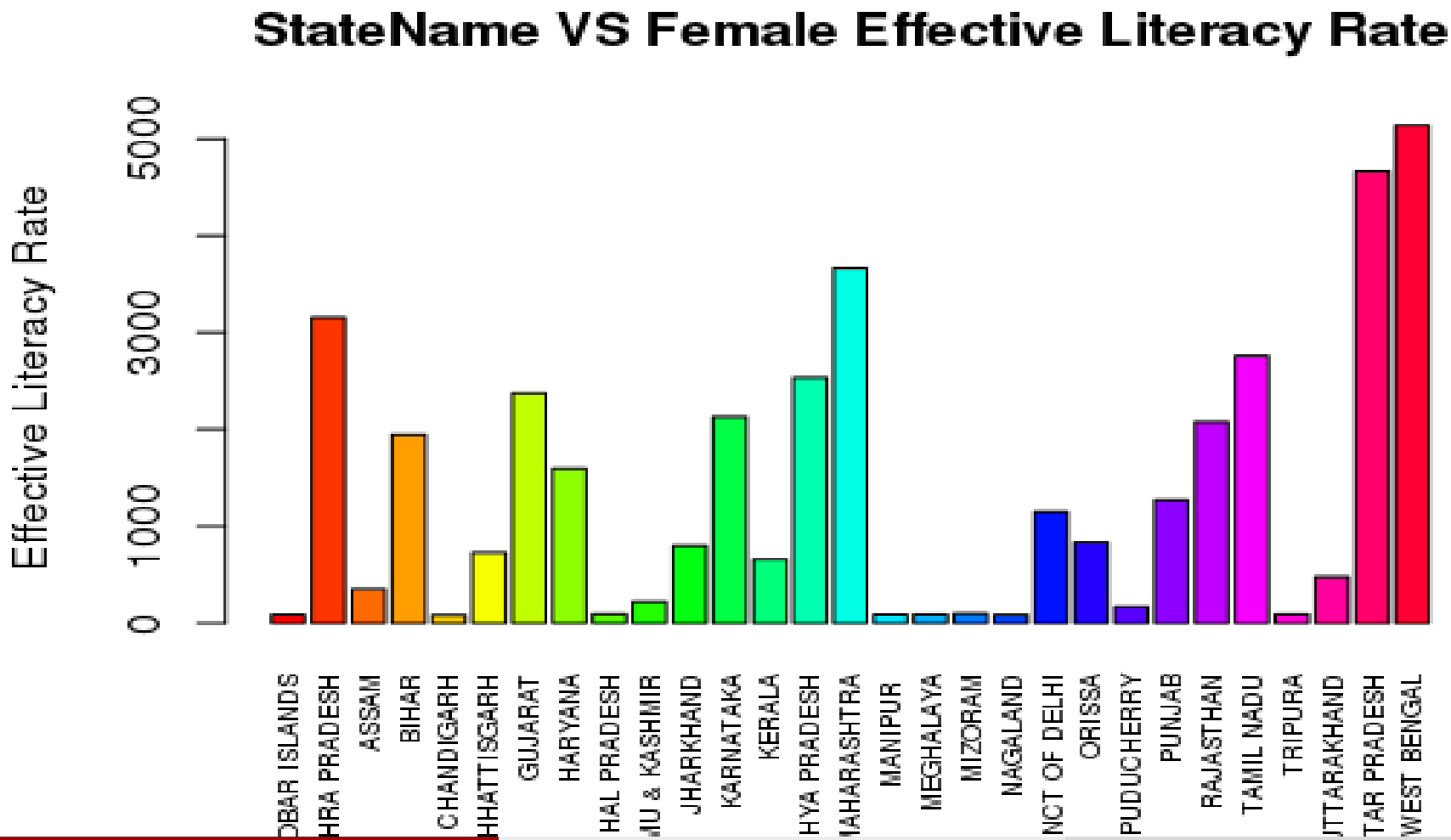
BARPLOT


STATE VS EFFECTIVE LITERACY RATE
EFFECTIVE LITERACY RATE
0
2000
4000
AR ISLANDS
ASSAM
BIHAR
HANDIGARH
HATTISGARH
GUJARAT
HARYANA
L PRADESH
& KASHMIR
JHARKHAND
KARNATAKA
KERALA
A PRADESH
HARASHTRA
MANIPUR
EGHALAYA
MIZORAM
NAGALAND
T OF DELHI
ORISSA
UDUCHERRY
PUNJAB
RAJASTHAN
TAMIL NADU
TRIPURA
TARAKHAND
R PRADESH
ST BENGAL

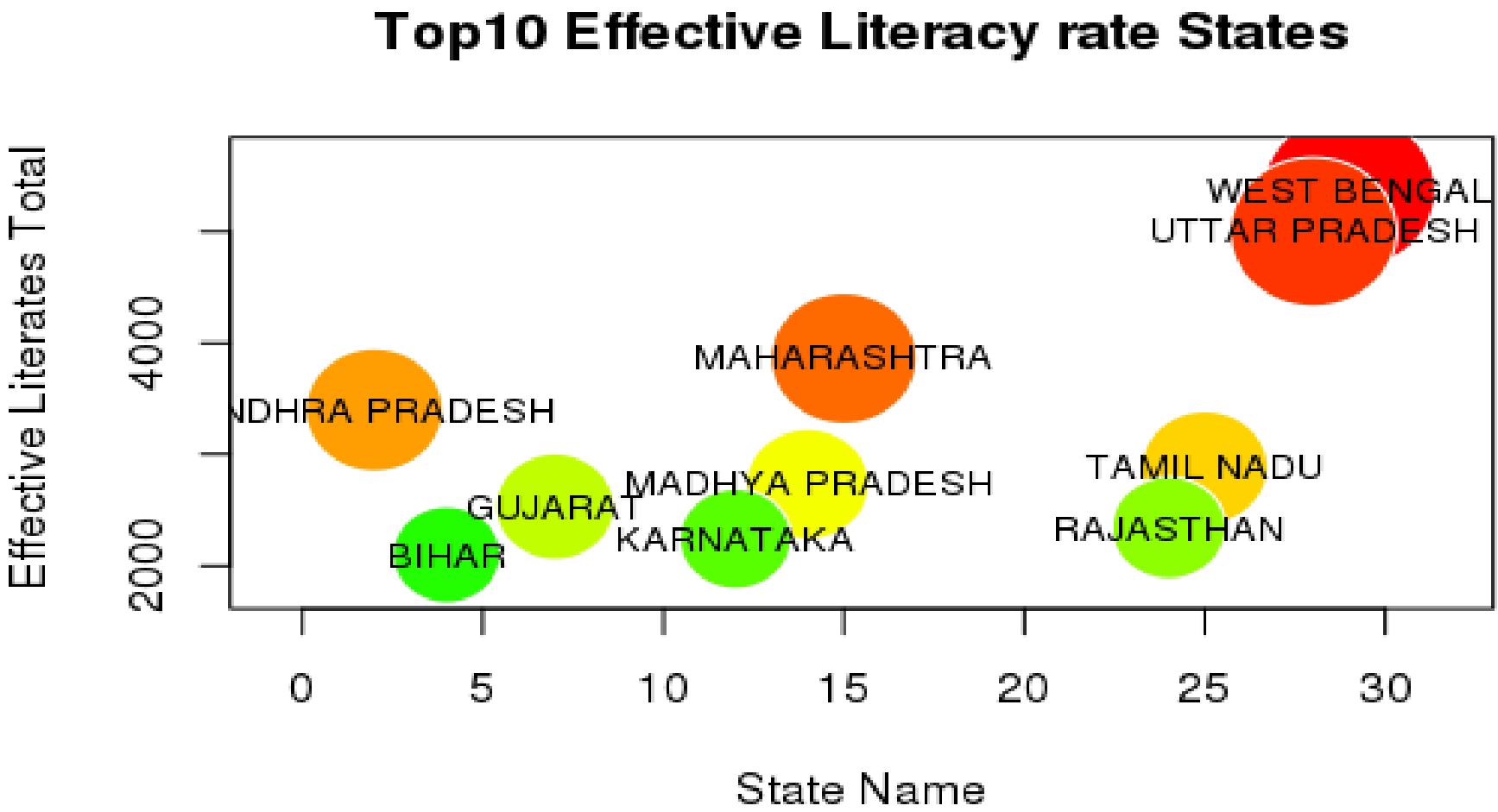
BARPLOT


StateName VS Male Effective Literacy Rate
Effective Literacy Rate
0
1000
3000
5000
ICOBAR ISLANDS
DHRA PRADESH
ASSAM
BIHAR
CHANDIGARH
CHHATTISGARH
GUJARAT
HARYANA
ACHAL PRADESH
MMU & KASHMIR
JHARKHAND
KARNATAKA
KERALA
ADHYA PRADESH
MAHARASHTRA
MANIPUR
MEGHALAYA
MIZORAM
NAGALAND
NCT OF DELHI
ORISSA
PUDUCHERRY
PUNJAB
RAJASTHAN
TAMIL NADU
TRIPURA
UTTARAKHAND
UTTAR PRADESH
WEST BENGAL

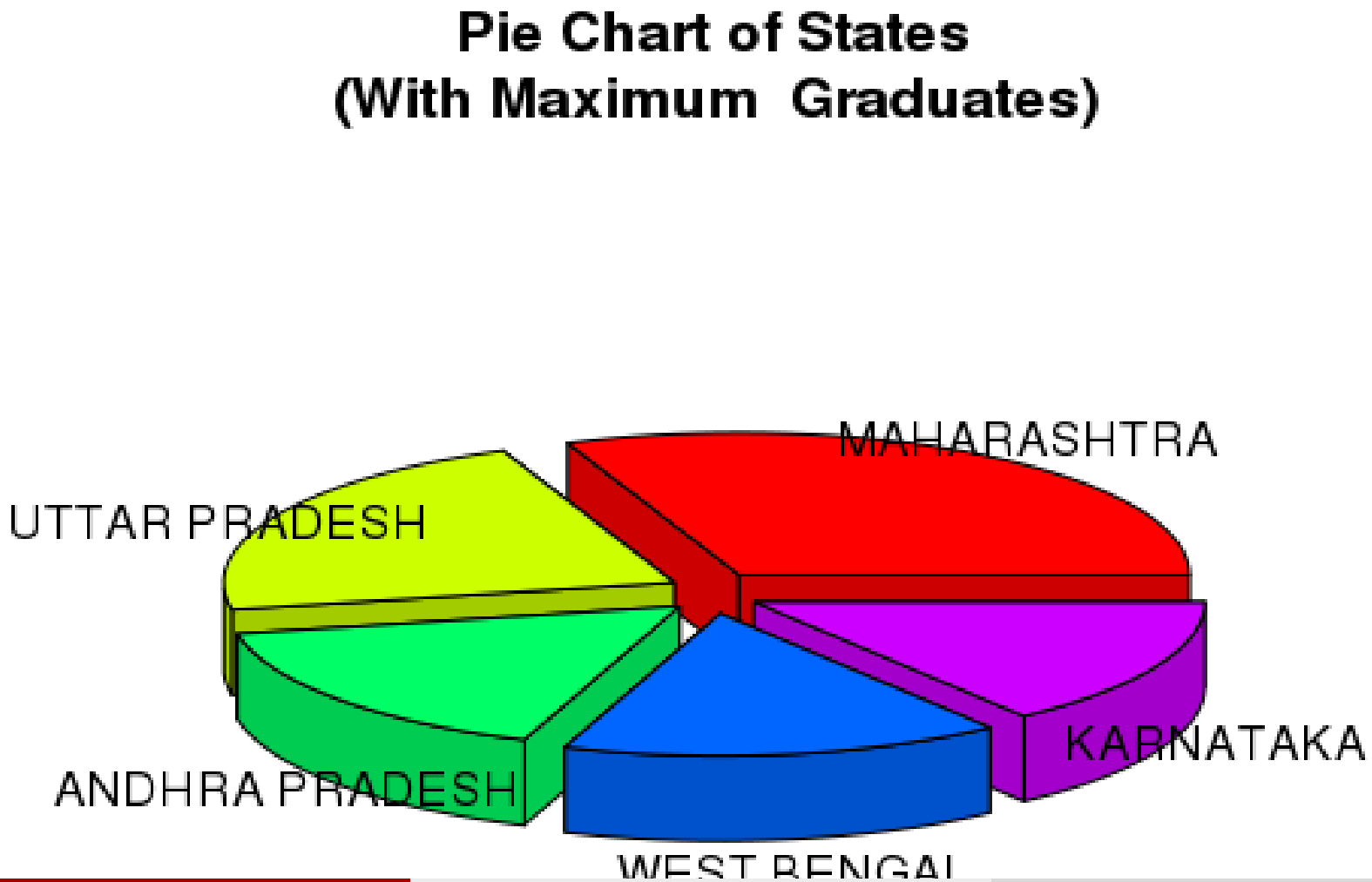
BARPLOT


StateName VS Female Effective Literacy Rate
Effective Literacy Rate
0
1000
3000
5000
DBAR ISLANDS
HRA PRADESH
ASSAM
BIHAR
CHANDIGARH
HHATTISGARH
GUJARAT
HARYANA
HAL PRADESH
MU & KASHMIR
JHARKHAND
KARNATAKA
KERALA
HYA PRADESH
MAHARASHTRA
MANIPUR
MEGHALAYA
MIZORAM
NAGALAND
NCT OF DELHI
ORISSA
PUDUCHERRY
PUNJAB
RAJASTHAN
TAMIL NADU
TRIPURA
JTTARAKHAND
TAR PRADESH
WEST BENGAL

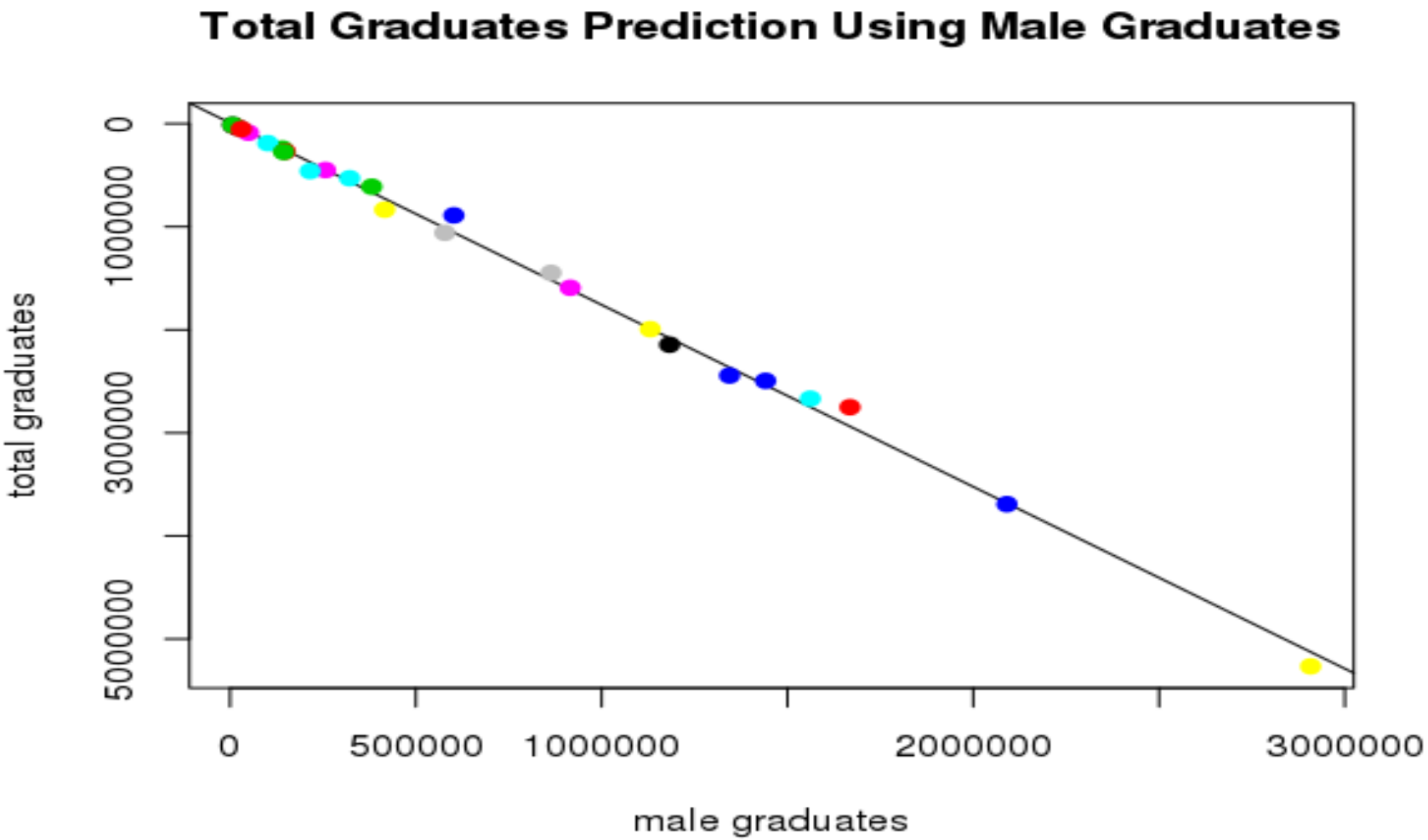
BUBBLE CHART



PIE CHART


Pie Chart of States
(With Maximum Graduates)
MAHARASHTRA
UTTAR PRADESH
KARNATAKA
ANDHRA PRADESH
WEST BENGAL

Linear Regression



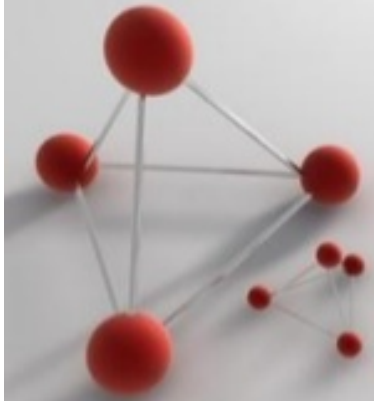
Tools Used

1. R-Studio
2. Latex Beamer

Packages Used

1.ggplot2
2.plyr
3.plotrix

Thank You



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