Introduction:

As a part of Tableau DataViz Challenge, I took up the challege of creating visualization for Water and Sanitization for this the dataset which I took up is "State-wise Allocation / Release And Expenditure of NRDWP Fund: 2011-2012". I have created various visualizations for amount of opening, amount of releasing, amount of expenditure, amount of allocated for each state and districts under NRDWP (Drinking water programme) across the country.

Using these visualizations we can be able to get information on amount required for each district for this programme and how much is the amount being released from state and central for their respective states and districts and what is their expenditure on this programme, can also be noted.

Analysis:

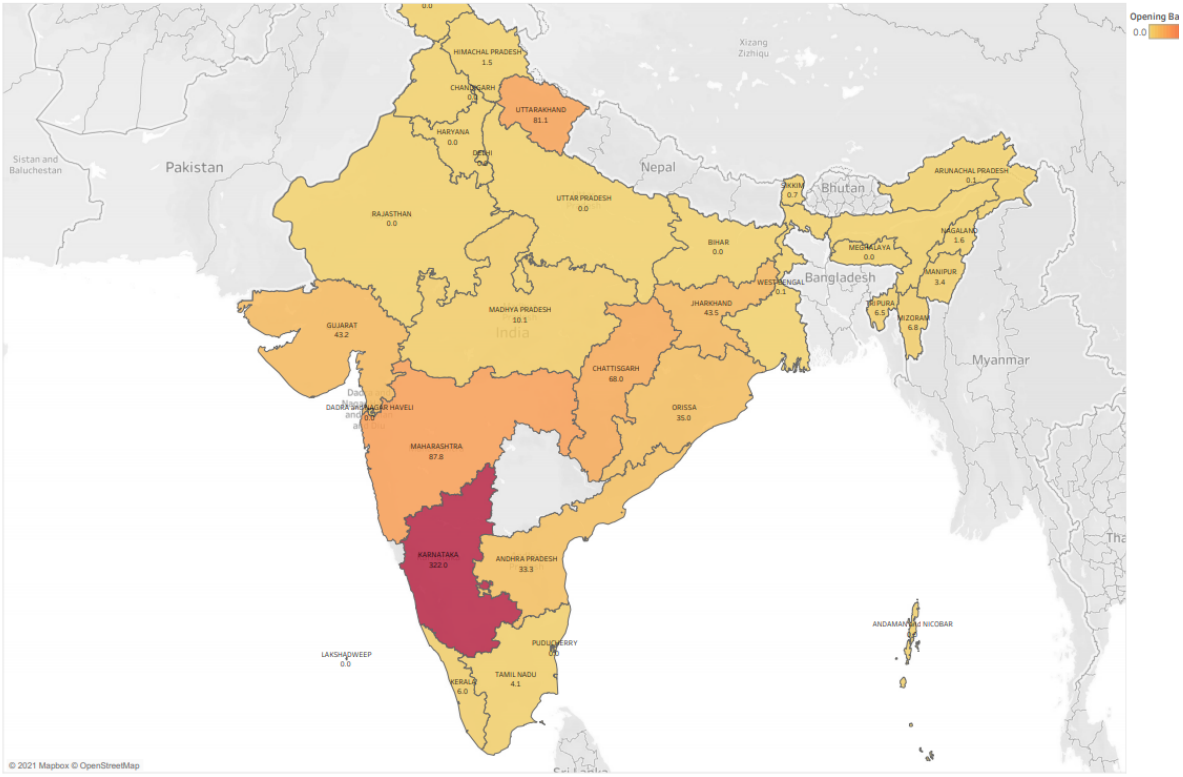
In the very first slide of the dashboard it shows the opening balance of amount each state as per it's previous years amount left for this programme using this one can able to know the requirement and is shown in a geographical chart where the amount present is distinguished using the color format.

In the second slide of the dashboard it shows the amount of released, allocated, expenditure for each state and in the third one, it basically represents the states which are gettimg large and small amounts as a part of this programme.

In the fourth slide of the dashboard it represents the districts which are allocated and released the amount the most as a part of this programme. In the next slide it represents the percentage of each state got from the total amount allocated under this programme and also the frequency distribution of the states who got their amount, and under this most of the states are allocated zero amount.

In the next slide of the dashboard it represents a chart of amount left for each state after their expenditure for this scheme from the amount released using this we can understand amount of opening balance for next year, and further more amount required due to insufficient amount allocated.

These are the some of the scrrenshots of the visualization created,


Opening Ba
0.0
Xizang
Zizhiqu
Sistan and
Baluchestan
Pakistan
Nepal
Bhutan
Bangladesh
Myanmar
India
HIMACHAL PRADESH
1.5
CHANDIGARH
0.0
UTTARAKHAND
81.1
HARYANA
0.0
DELHI
0.0
RAJASTHAN
0.0
UTTAR PRADESH
0.0
BIHAR
0.0
SIKKIM
0.7
ARUNACHAL PRADESH
0.1
NAGALAND
1.6
MEGHALAYA
0.0
MANIPUR
3.4
TRIPURA
6.5
MIZORAM
6.8
WEST BENGAL
0.1
JHARKHAND
43.5
MADHYA PRADESH
10.1
GUJARAT
43.2
CHATTISGARH
68.0
ORISSA
35.0
DADRA and NAGAR HAVELI
0.0
MAHARASHTRA
87.8
KARNATAKA
322.0
ANDHRA PRADESH
33.3
PUDUCHERRY
0.0
LAKSHADWEEP
0.0
TAMIL NADU
4.1
KERALA
6.0
ANDAMAN and NICOBAR
0.0
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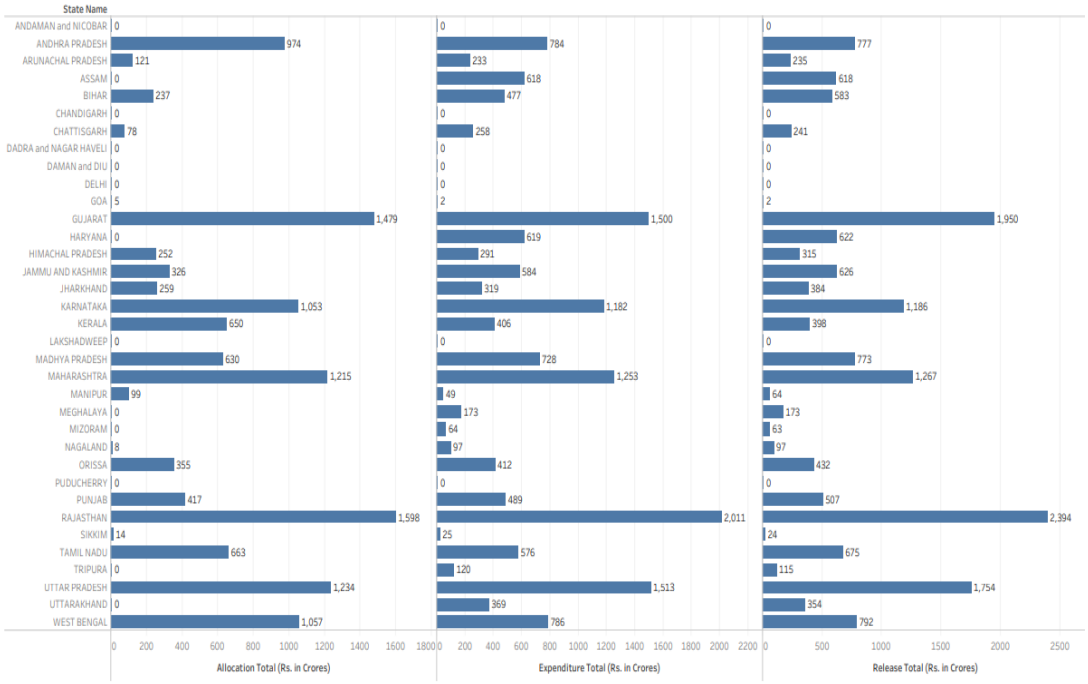
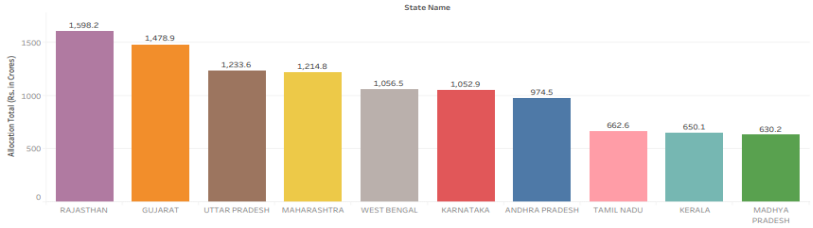
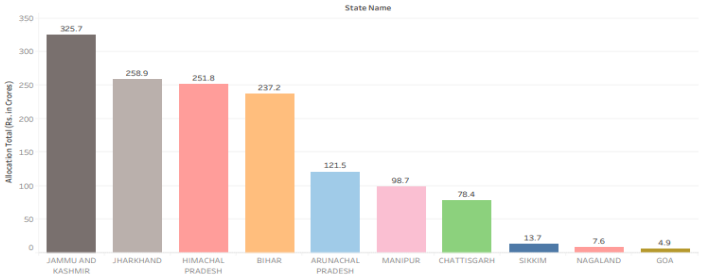

State Name
ANDAMAN and NICOBAR 0 0 0
ANDHRA PRADESH 974 784 777
ARUNACHAL PRADESH 121 233 235
ASSAM 0 618 618
BIHAR 237 477 583
CHANDIGARH 0 0 0
CHATTISGARH 78 258 241
DADRA and NAGAR HAVELI 0 0 0
DAMAN and DIU 0 0 0
DELHI 0 0 0
GOA 5 2 2
GUJARAT 1,479 1,500 1,950
HARYANA 0 619 622
HIMACHAL PRADESH 252 291 315
JAMMU AND KASHMIR 326 584 626
JHARKHAND 259 319 384
KARNATAKA 1,053 1,182 1,186
KERALA 650 406 398
LAKSHADWEEP 0 0 0
MADHYA PRADESH 630 728 773
MAHARASHTRA 1,215 1,253 1,267
MANIPUR 99 49 64
MEGHALAYA 0 173 173
MIZORAM 0 64 63
NAGALAND 8 97 97
ORISSA 355 412 432
PUDUCHERRY 0 0 0
PUNJAB 417 489 507
RAJASTHAN 1,598 2,011 2,394
SIKKIM 14 25 24
TAMIL NADU 663 576 675
TRIPURA 0 120 115
UTTAR PRADESH 1,234 1,513 1,754
UTTARAKHAND 0 369 354
WEST BENGAL 1,057 786 792
0 200 400 600 800 1000 1200 1400 1600 1800
Allocation Total (Rs. in Crores)
0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200
Expenditure Total (Rs. in Crores)
0 500 1000 1500 2000 2500
Release Total (Rs. in Crores)

Top 10 states allocated



Bottom 10 states allocated



States and UT with zero amount allocated

State Name	
ANDAMAN and NICOBAR	0
ASSAM	0
CHANDIGARH	0
DADRA and NAGAR HAVELI	0
DAMAN and DIU	0
DELHI	0
HARYANA	0
LAKSHADWEEP	0
MEGHALAYA	0
MIZORAM	0
PUDUCHERRY	0
TRIPURA	0
UTTARAKHAND	0

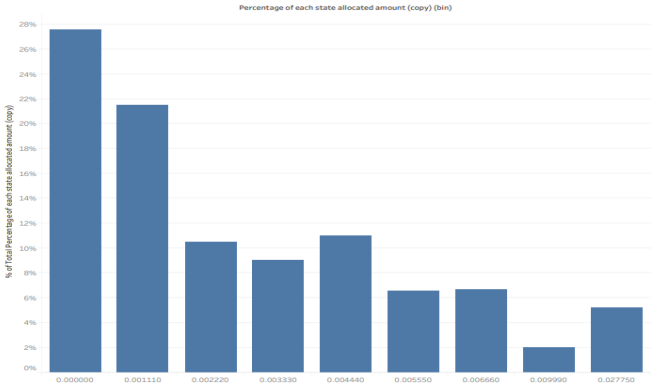
Story 1

Opening amount of each states | Amount allocated,released an... | Amount allocated | amount released and allocated to top 20 d... | distribution to each state | amount left in each state after expenditu...

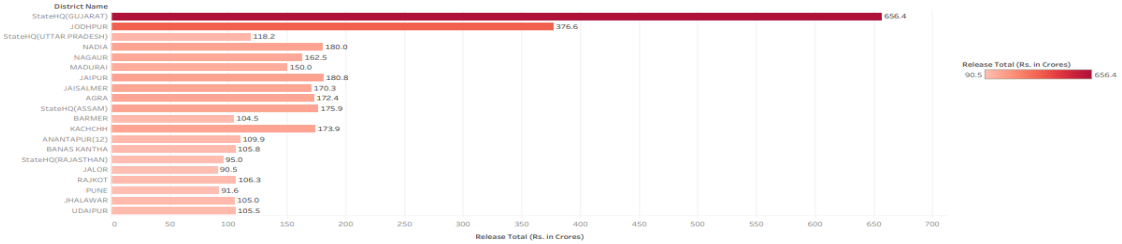
Percentage of each state allocated amount

State Name	
GUJARAT	8%
WEST BENGAL	6%
RAJASTHAN	6%
UTTAR PRADESH	6%
MAHARASHTRA	4%
KERALA	4%
ANDHRA PRADESH	4%
KARNATAKA	4%
TAMIL NADU	3%
PUNJAB	3%
MADHYA PRADESH	3%
JHARKHAND	1%
HIMACHAL PRADESH	1%
ORISSA	1%
BIHAR	1%
MANIPUR	0%
CHATTISGARH	0%
JAMMU AND KASHMIR	0%
GOA	0%
UTTARAKHAND	0%
TRIPURA	0%
SIKKIM	0%
PUDUCHERRY	0%
NAGALAND	0%
MIZORAM	0%
MEGHALAYA	0%
LAKSHADWEEP	0%
HARYANA	0%
DELHI	0%
DAMAN and DIU	0%
DADRA and NAGAR HAVELI	0%
CHANDIGARH	0%
ASSAM	0%
ARUNACHAL PRADESH	0%
ANDAMAN and NICOBAR	0%

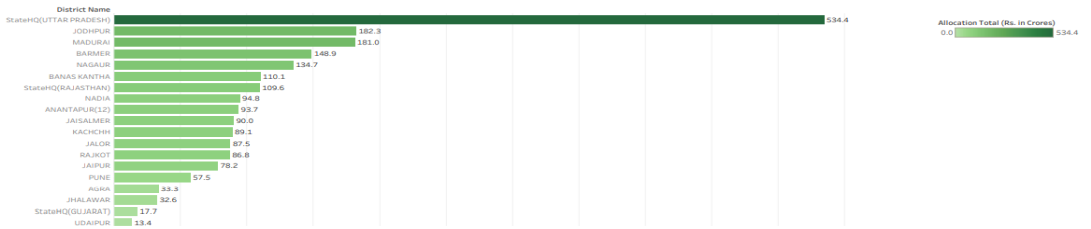
Frequency distribution of percentage allocated to states

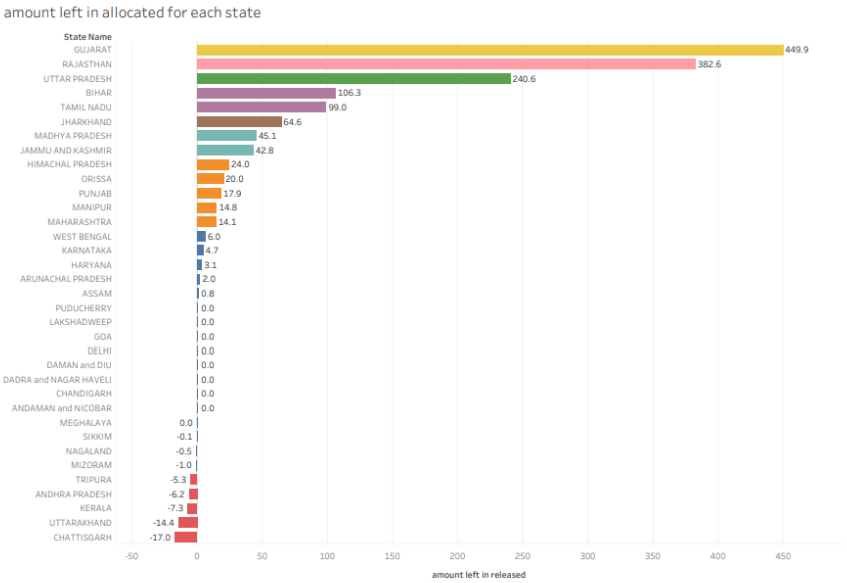


Top 20 districts of amount released



Top 20 districts of amount allocated





Conclusion:

Using these visualizations we can be able to get various intakes of how much is the amount allocated, released, and spent on expenditure for the NRDWP of various states.