

Chapter 1 : Assessment for Disaster_1

With the Analysis, We can approximate that Disaster_1 is Hurricane from the avialable dataset with 100% confidenece. Mitigating this disaster is our 1st priority,as it's hazard ranking is 24 . In case of multiple disasters underlying disaster can be prioritized according to population impact if hazard Rankings are same. The population Impact of the underyling disaster is 1 and acts as the second parameter of classifying and Ranking disasters among the list of disasters. Meanwhile if both of them are same we use the Economic impact for ranking the disasters. In this case it's 2, which can be traced from the table shown at the end of the document. Now as priority of this disaster is 1, we follow the following steps:

1. Population loss is the first and foremost consideration or parameter which should be taken care even if at lowest level.Proper mitigation and risk assessment should be carried out on zonal level rather than state.
2. As mediocre parameter in the given case, It will be a big help to introduce a corrective and effective measures to find high risk zones under the area of effect.
3. Property is least of the worries for the impact during the disasters, If it's valued at lowest, no special attention is needed because modern homes are pre fitted with safety measures.

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Chapter 2 : Assessment for Disaster_2

With the Analysis, We can approximate that Disaster_2 is Severe Ice Storm from the avialable dataset with 100% confidenece. Mitigating this disaster is our 2nd priority,as it's hazard ranking is 22 . In case of multiple disasters underlying disaster can be prioritized according to population impact if hazard Rankings are same. The population Impact of the underyling disaster is 2 and acts as the second parameter of classifying and Ranking disasters among the list of disasters. Meanwhile if both of them are same we use the Economic impact for ranking the disasters. In this case it's 1, which can be traced from the table shown at the end of the document. Now as priority of this disaster is 3, we follow the following steps:

1. When population loss is expected to be medium, we need to priortize the population by migrating or alerting the zones of a state and yellow alert statewide.
2. Economic loss is the second severe loss after population or death, but it's Probability is less in this case we can just apply minimal mitigation techniques.
3. When risk of property loss is maximum we need to ensure structural integrity of bigger buildings and make sturdy repairs of houses.

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