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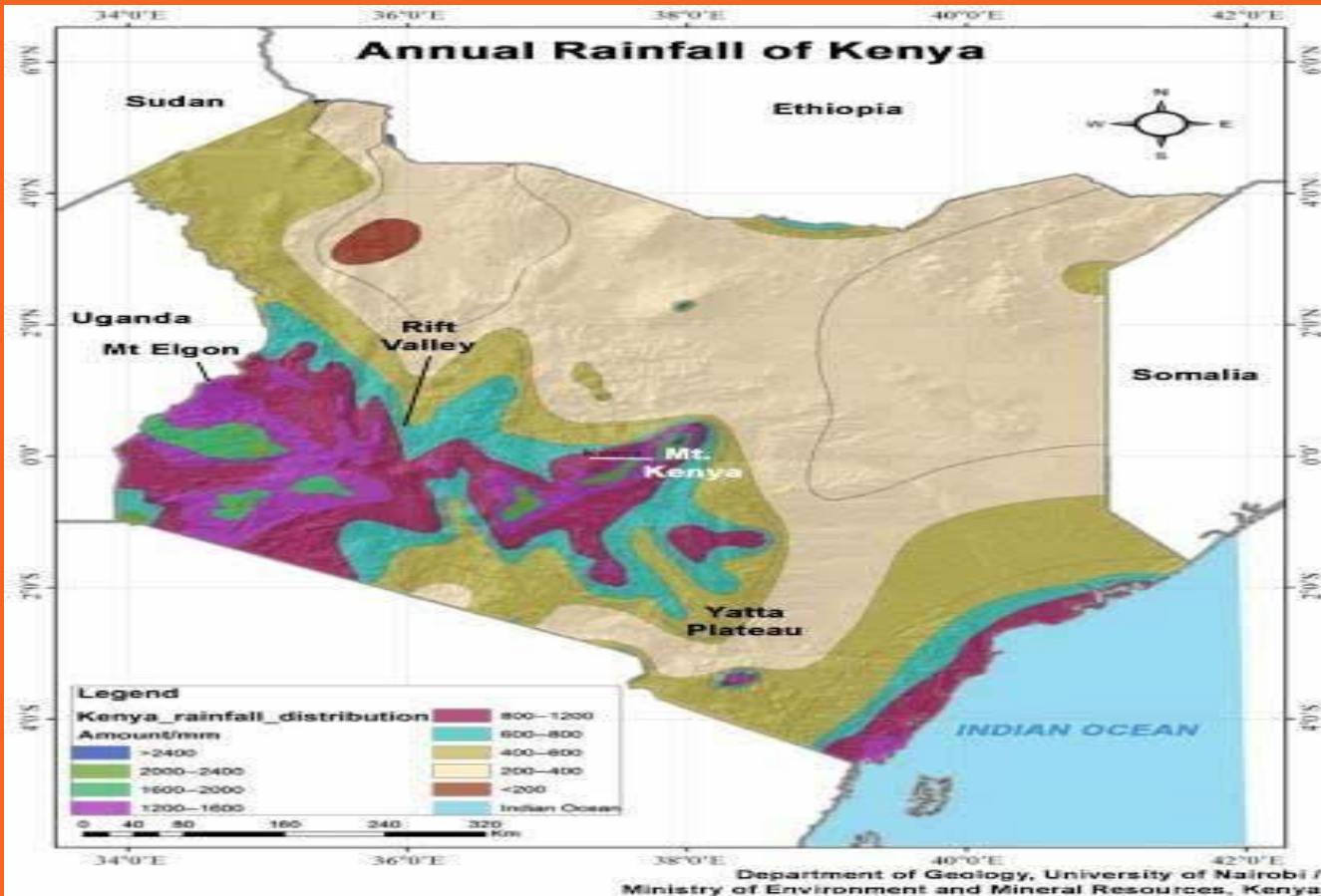
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# WATER BALANCE DROUGHT MONITORING

Water Management across the regions of Kenya

Team Pandas

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# Problem Statement

- Drought affected areas lack enough water for both domestic and agricultural use. Therefore building water reservoirs in these areas will solve this perennial problem.
- Regions prone to flooding are always caught off guard when the place starts to flood therefore our research will help know when and where flooding is likely to occur.



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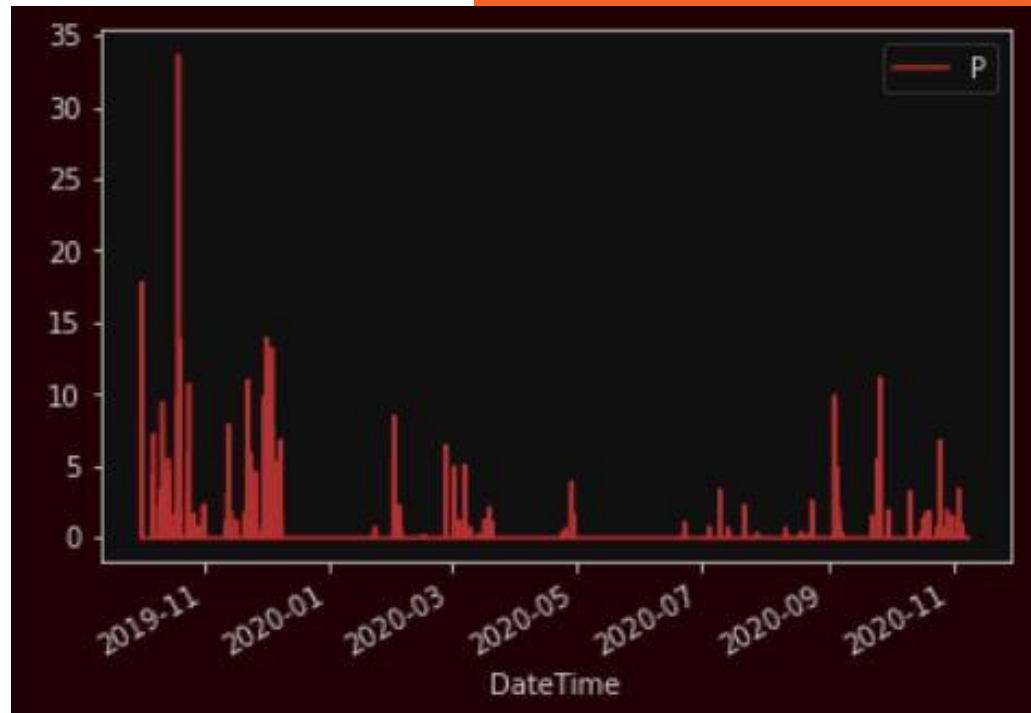
# Research Objective

1. To establish areas with low precipitation so as to allocate more resources for reservoirs
2. To determine which areas have high/low precipitation in order to plan for floods(disaster management)

# Demos.

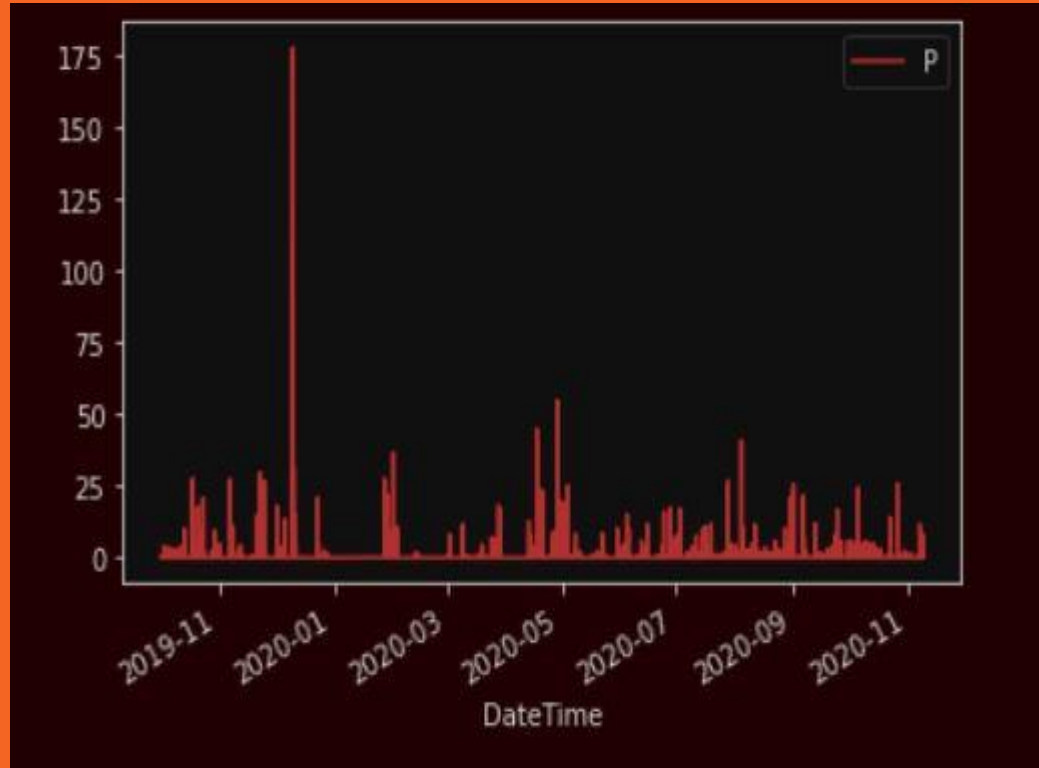
Graphs of Precipitation against Time

Graph 1



Rainfall Distribution of Kisumu County

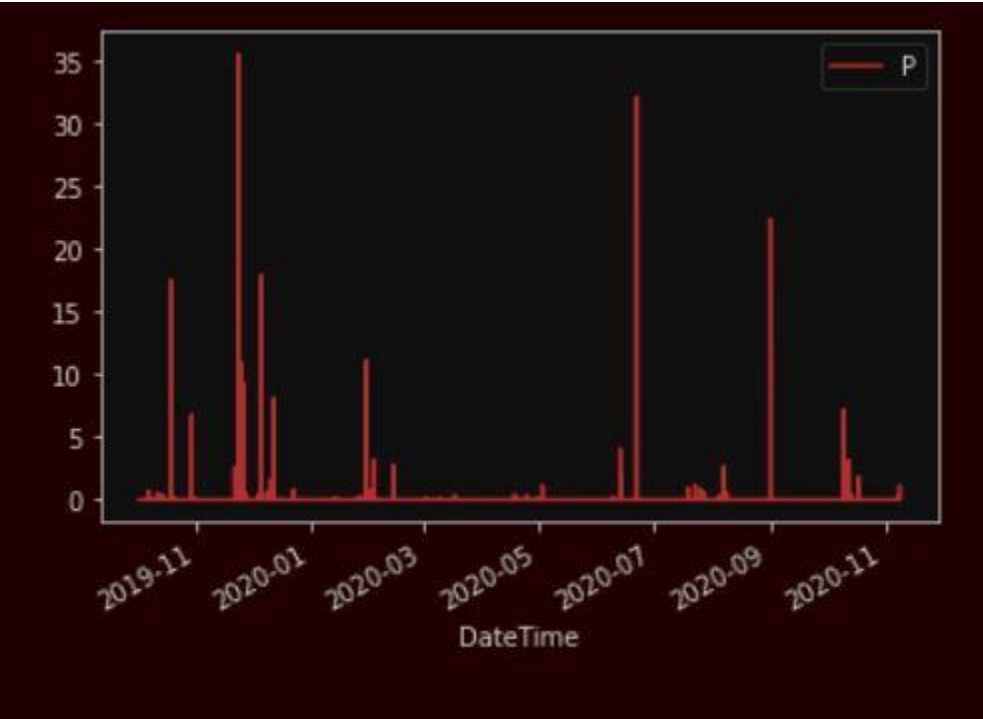
Graph 2



**Rainfall Distribution of West Pokot County**

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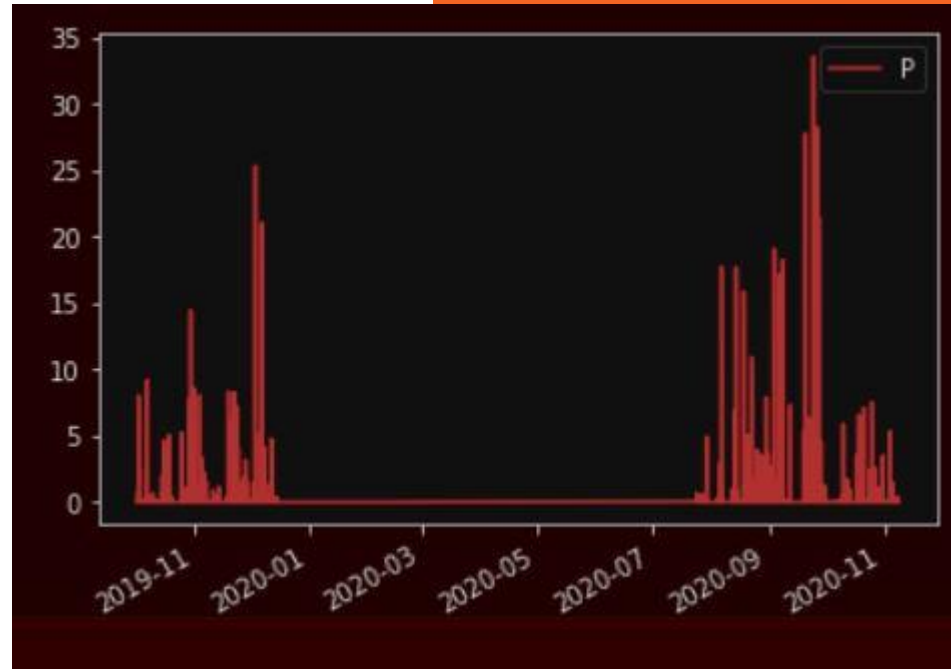
Graph 3



Rainfall Distribution of Turkana County



Graph 4



## Rainfall Distribution of Mombasa County

*Story for illustration purposes only*

# Conclusion

From our research we have been able to determine identify areas prone to flooding and drought and advice the government on allocation of resources to build reservoirs.