Paper Title:
Classification of Skin Disease Using Deep Learning Neural Networks with MobileNet V2 and LSTM
Paper Link:
https://www.mdpi.com/1424-8220/21/8/2852
1 Summary
1.1 Motivation
The ground basis of this paper was to fasten the research in skin diseases and provide solutions for early detection.
1.2 Contribution
The paper identified a proper approach to skin disease detection using the deep learning method. Furthermore, it created an AI model for mobile app creation of skin disease detection.
1.3 Methodology
The author trained a Mobilenetv2 with LSTM model on a HAM dataset of 1,000 dermoscopic images and compared the results with other neural network models, gaining 92% accuracy.
1.4 Conclusion
The results were very good for a mobile application and limited data.
2 Limitations
2.1 First Limitation
The dataset was small compared to the real-life cases, and Hamm100 isn’t a classified dataset.
3 Synthesis
The research is good for humanity overall, specially for low-income countries where tools like these would help the poor population get significant coverage of early skin disease detection through apps