TJNU Ground-based Cloud Dataset Agreement

Introduction

The TJNU ground-based cloud dataset (GCD) is collected from 2019 to 2020 in nine provinces of China, which includes Tianjin, Anhui, Sichuan, Gansu, Shandong, Hebei, Liaoning, Jiangsu, and Hainan. It contains 19,000 ground-based cloud images which are divided into seven sky types: 1) cumulus, 2) altocumulus and cirrocumulus, 3) cirrus and cirrostratus, 4) clear sky, 5) stratocumulus, stratus and altostratus, 6) cumulonimbus and nimbostratus, 7) mixed cloud. GCD is divided into the 10,000 cloud images in the training set and 9,000 cloud images in the test set. The cloud images in GCD are stored in JPEG format with the pixel resolution of 512×512. All the cloud images are cooperatively annotated by the meteorologists and the ground-based cloud researchers. The GCD will be provided free of charge to cloud-related researchers in order to promote research. This agreement is granted by the providers in College of Electronic and Communication Engineering, Tianjin Normal University, Tianjin, China, and Meteorological Observation Centre, China Meteorological Administration, Beijing, China.

Content

The researcher(s) agrees to the following restrictions and requirements on the TJNU Ground-based Cloud Dataset (GCD):

1. **Redistribution**: Without prior approval from the providers, the GCD, in whole or in part, will not be further distributed, published, copied, or disseminated in any way or form whatsoever, whether for profit or not. This includes further distributing, copying or disseminating to a different facility or organizational unit within the requesting university, organization or company.

2. **Modification**: Without prior approval from the providers, the GCD, in whole or in part, will not be modified.

3. **Commercial Use**: Without prior approval from the providers, the GCD, in whole or in part, will not be used for commercial use. Any commercial use of the dataset is strictly prohibited.

4. **Publication Requirements**: In no case should the samples be used in a way that could reasonably cause the original subject embarrassment or mental anguish.

5. **Acknowledgment**: In all documents and papers that report experimental results based on the GCD, a citation of this dataset should be added into the references or acknowledged in the acknowledgement.

6. **Indemnification**: Researcher agrees to indemnify, defend and hold harmless Tianjin Normal University, Tianjin, China, and Meteorological Observation Centre, China Meteorological Administration, Beijing, China, and their officers, employees and agents, individually and collectively, from any and all losses, expenses, damages, demands and/or claims based upon any such injury or damage (real or alleged) and shall pay all damages, claims, judgements or expenses resulting from researcher's use of the GCD.

7. **Legal Disclaimer**: The GCD is granted without any warranty. The providers shall not be held responsible for any damage (physical, financial or otherwise) caused by the use of the dataset. The providers shall not be held responsible of any illegal or criminal use of the dataset by the End-User. Any illegal or criminal use of the dataset by the End-User is strictly prohibited.

If you use this dataset in your research, please cite our work as,

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@article{liu2022ground, title = {Ground-based Remote Sensing Cloud Classification via Context Graph Attention Network}, author = {Liu, Shuang and Duan, Linlin and Zhang, Zhong and Cao, Xiaozhong and Durrani, Tariq S.},
journal = {IEEE Transactions on Geoscience and Remote Sensing},
volume = {60}, pages = {1-11}, year = {2022}, publisher =
{IEEE}
}
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