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Application of Machine Learning to satellite data

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Satellite data enables the efficient mapping and monitoring of the earth's resources, ecosystems, and events. Machine Learning can be applied to this data to predict weather conditions. Machine Learning techniques can be used to model and extract useful information out of a data stream. This helps governments and industries to share information, to make informed decisions, to act on time and to provide improved or totally new services. Machine Learning algorithms are used to scan huge data masses of satellite imagery and to develop models to extract features, detect changes and predict upcoming situations. Satellite data provided by Sentinel missions is to be scrutinized. The missions include radar and super-spectral imaging for land, ocean and atmospheric monitoring.

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