A METAR decoder for R users, connecting to mdsplib (METAR Decoder Software Package Library)

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Abstract

METAR is a format for reporting weather information. A METAR weather report is predominantly used by pilots in fulfillment of a part of a pre-flight weather briefing, and by meteorologists, who use aggregated METAR information to assist in weather forecasting.

Raw METAR is the most popular format in the world for the transmission of weather data.

This R package connects to mdsplib - the official METAR Decoder Software Package Library available at `http://mdsplib.sourceforge.net/` to extract all weather information from METAR reports.

Keywords:˜METAR, mdsplib, weather, meteo.

0.1. GitHub - package repository

The development of this package is done by BNOSAC and is available on github at `https://github.com/jwijffels/RMETAR`

0.2. BNOSAC

BNOSAC, is a Belgium consultancy network specialized in open source analytical intelligence. We gather a group of dedicated open source software engineers with a focus on data mining, business intelligence, statistical engineering and advanced artificial intelligence.

We are experts in using analytical open source software and provide expertise, consultancy and training for the use of well-established open source tools like R, Python, Hadoop, Pentaho, PostgreSQL, OpenBugs, PostGIS and Mapserver in your organisation. Our main areas of focus are:

1. Standard data mining

2. Spatial data mining

3. Business intelligence

4. Web & Text mining

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We supply you with the knowledge, the technology and the practical skills to efficiently boost your business through analytical problem-solving. Our open source expertise allows us to combine a low price for high quality while integrating the latest no-nonsense statistical developments in your business setting.
We consider ourselves as helpers. We aid in setting up analytical platforms, statistical servers, data marts, help you integrate these applications in your operational systems and let you understand and apply the analytical techniques that can leverage your strategic business goals.

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