

Statistical use of Automatic Identification System (AIS) data

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Abstract

The paper discusses the study for using Automatic Identification System (AIS) in the Maritime Transport Statistics produced by Istat. AIS is an automatic tracking system on ships that provides signals about geo-localization, speed and direction of navigation of vessels with regular and frequent intervals. The focus of this work is on the methodologies introduced for the transformation of AIS signals in data that can be useful for the official statistical production. Algorithms are detailed and some preliminary results are presented.

Keywords: AIS, Big Data, Maritime Transport Statistics.

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