stats++ : An Open-Source Statistical Software Package

JEEVAKE ATTAPATTU, PRAVEER TIWARI, JEFFREY MCMAHON, Washington State Univ — We present stats++ (http://statsxx.com/), an open-source statistical software package. stats++ is advanced, comprehensive statistical software for: data collection and processing, statistics, machine learning, and optimization, with open C++ source code. Included is also a detailed wiki, for stats++ and data science (in general), and online discussion forums. stats++ can be used effectively and efficiently, even with little prior experience. Applications in computational physics are presented; in particular, machine-learned wavefunctions (quantum mechanics) and gravitational waveforms (general relativity).

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