Abstract Submitted
for the NWS17 Meeting of
The American Physical Society

stats++ : An Open-Source Statistical Software Package[1] JEE-
VAKE 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 effi-
ciently, even with little prior experience. Applications in computational physics are
presented; in particular, machine-learned wavefunctions (quantum mechanics) and
gravitational waveforms (general relativity).

Jeevake Attapattu
Washington State Univ

Date submitted: 05 May 2017   Electronic form version 1.4