

51st IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) –  
The Next Steps (A4)  
Interactive Presentations - 51st IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL  
INTELLIGENCE (SETI) – The Next Steps (IP)

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TESTING DIFFERENT MACHINE LEARNING ALGORITHMS TO AUTOMATE THE  
METHODOLOGY OF SEARCHING FOR EXTRATERRESTRIAL INTELLIGENT LIFE

**Abstract**

different machine learning algorithms were used to evaluate different methods of searching for planets suitable for extraterrestrial life, being supervised and unsupervised learning, semi-supervised learning and reinforcement learning. The data will be compared with the current traditional methods and against themselves to discover the best way to systematize the search process.