

Machine Learning For Kids :: Teachers' notes

Worksheet	School Library
Activity	Create a school librarian in Scratch that suggests who a reading book might be suitable for.
Objective	Teach a computer to make recommendations <ul style="list-style-type: none"> Predictive models can be used to make recommendations.
Difficulty level	Intermediate
Time estimate	1 hour
Summary	Students will train a predictive model based on attributes of books.
Topics	predictive model, recommendations

Setup

Each student will need:

Print-outs	Project worksheet (download from https://machinelearningforkids.co.uk/worksheets) Blocks in Scratch scripts are colour-coded, so printing in colour will make it easier for students.
Access	Username and password for machinelearningforkids.co.uk
Resources	Students will need access to several books, sorted by reading level. The project was written for a school group that have their computer suite in the school library.

Class account will need:

API keys	None
-----------------	------

Help

Potential issues	<ul style="list-style-type: none"> "https://machinelearningforkids.co.uk" is a long URL to type for some children. You may find it easier to set up a bookmark that they can click on instead. <p>General troubleshooting and help at https://machinelearningforkids.co.uk/help</p>
-------------------------	--