Machine Learning For Kids :: Teachers' notes	
Worksheet	Newspaper shelves
Activity	Train a computer to recognise headlines from national newspapers.
Objective	<ul> <li>Test the computer's ability to recognise use of language</li> <li>How computers can be taught to recognise the source of writing</li> </ul>
Difficulty level	Intermediate The project is easy to make, but typing in headlines for training data can be time-consuming
Time estimate	1 hour
Summary	Students will collect examples of headlines from national newspapers. These will be used to train a machine learning model based on the use of language in headlines. They will create a Scratch project that puts a newspaper on the right shelf based on predicting which newspaper a new headline is from.
Topics	text classification, supervised learning
	Setup
	occup
Each student wi	
Print-outs	Project worksheet (download from <u>https://machinelearningforkids.co.uk/worksheets</u> )
	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
Class account w	ill need:
API keys	Watson Assistant
	1 workspace per student
	One "Lite" API key is free but can only be used to create 5 workspaces
	One "Standard" API key can be used to create to create 20 workspaces
	more detail at: https://machinelearningforkids.co.uk/apikeys-guide
	nore detail at. <u>https://machinelearningforkids.co.uk/apikeys-guide</u>
	Customizing
If you want to inc add steps to the w If you want to end instructions instea Project template	files & worksheets in MS Word format are available so you can <b>modify them to suit your class</b> .
Template Worksheets	https://github.com/IBM/taxinomitis-docs/tree/master/scratch-templates
worksheets	https://github.com/IBM/taxinomitis-docs/tree/master/project-worksheets/msword
	Help
Potential issues	<ul> <li>Some newspapers use language that may not be appropriate for younger children. Tell your class which newspapers to choose if you have concerns.</li> <li>If you would like to save time, you could modify the worksheet to use two or three newspapers instead of four.</li> <li>"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.</li> <li>General troubleshooting and help at <a href="https://machinelearningforkids.co.uk/help">https://machinelearningforkids.co.uk/help</a></li> </ul>