Worksheet	Newspaper shelves
Activity	Train a computer to recognise headlines from national newspapers.
Objective	Test the computer's ability to recognise use of language
	How computers can be taught to recognise the source of writing
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
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
Class account wil	l 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

If you use **PRIMM** approaches with your class, add a step where students predict how the project template works. If you want to increase the amount of coding involved, delete some of the code from the project template and add steps to the worksheet so students code it themselves.

If you want to **encourage problem solving**, delete some of the detail in the worksheets and provide more general instructions instead.

Project template files & worksheets in MS Word format are available so you can modify them to suit your class .		
Template	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	 Some newspapers use language that may not be appropriate for younger children. Tell your class which newspapers to choose if you have concerns. If you would like to save time, you could modify the worksheet to use two or three newspapers instead of four. "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. General troubleshooting and help at https://machinelearningforkids.co.uk/help 	