

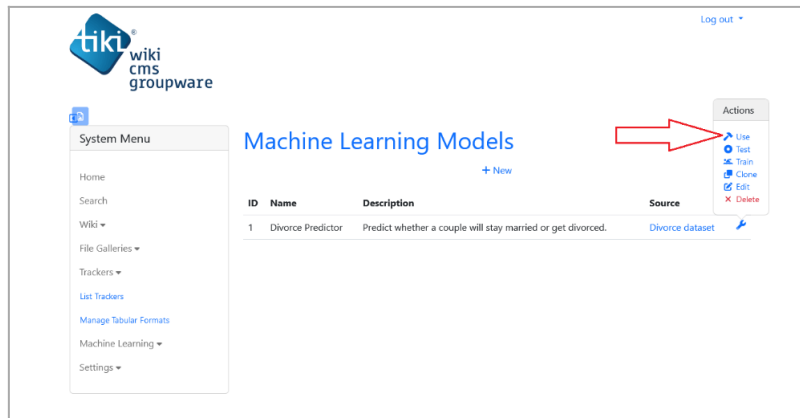
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Trained Machine Learning models can be used to make predictions.

Using Machine Learning Models

After a model has been trained, it is ready to be used to make prediction on new data. Trying to use an untrained model will result in an error.

To use a model, open its action menu and click on **Use**.



Go to model use page

Tiki will then display the model's page for prediction. This page will include input fields for you to enter new data.

The screenshot shows the 'Use machine learning model Divorce Predictor' page. It has a title bar with '+ New' and 'Manage' buttons. Below the title is a description: 'Predict whether a couple will stay married or get divorced.' and 'Use this model by entering a sample information in the form below and execute a query against the trained model. This will produce results based on the chosen estimator and show you the most relevant matches or predict the result.' The form consists of five input fields labeled Q1 to Q5. Q1 has a value of '4' and a hint: 'If one of us apologizes when our discussion deteriorates, the discussion ends. (1-5) E.g. 1.' Q2 has a value of '2' and a hint: 'I know we can ignore our differences, even if things get hard sometimes. (1-5) E.g. 5.' Q3 has a value of '4' and a hint: 'When we need it, we can take our discussions with my spouse from the beginning and correct it. (1-5) E.g. 2.' Q4 has a value of '5' and a hint: 'When I discuss with my spouse, to contact him will eventually work. (1-5) E.g. 2.' Q5 has a value of '2' and a hint: 'The time I spent with my wife is special for us. (1-5) E.g. 4.'

Use model page

Fill in the fields and select the type of task you want model to perform. This will be either a probability or prediction task. Either of the tasks is supported based on the model's underlying learning algorithm. After this, click on the **Submit** button to get result.

A success message will be displayed and result will appear right after the submit button.

The screenshot shows the tiki wiki cms groupware interface. On the left is a 'System Menu' with links to Home, Search, Wiki, File Galleries, Trackers, Machine Learning, and Settings. A green success message banner at the top right says 'Success' and 'Success'. The main heading is 'Use machine learning model Divorce Predictor' with '+ New' and 'Manage' links. Below the heading is a description: 'Predict whether a couple will stay married or get divorced. Use this model by entering a sample information in the form below and execute a query against the trained model. This will produce results based on the chosen estimator and show you the most relevant matches or predict the result.' A form field labeled 'Q1' contains the value '4'.

Result success message

The screenshot shows the Divorce Predictor form. It contains four input fields labeled Q1, Q2, Q3, and Q4. Q1 has the value '3' and the text 'I'm not the one who's wrong about problems at home. (1-5) E.g. 5.' Q2 has the value '4' and the text 'I wouldn't hesitate to tell my spouse about her/his inadequacy. (1-5) E.g. 4.' Q3 has the value '1' and the text 'When I discuss, I remind my spouse of her/his inadequacy. (1-5) E.g. 4.' Q4 has the value '2' and the text 'I'm not afraid to tell my spouse about her/his incompetence. (1-5) E.g. 1.' Below the form is a 'Type' section with two radio buttons: 'Probability (closest matches)' and 'Prediction'. The 'Prediction' button is selected. A blue 'Submit' button is at the bottom. Below the 'Submit' button, the text 'Result: married' is displayed and circled in red.

Result

Related links

- [Machine Learning](#)
- [Preparing Machine Learning Dataset](#)
- [Creating Machine Learning Models](#)
- [Configuring Machine Learning Models](#)
- [Training Machine Learning Models](#)