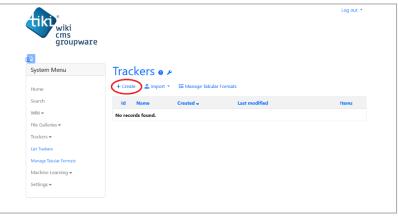
Trackers make it possible to setup data sources for training Machine Learning models in Tiki without requiring any special tools.

Preparing Machine Learning Dataset

Preparing dataset in Tiki involves creating a new Tiki tracker and adding items to it or using an existing tracker and making any necessary modifications to it. This is an important step because using Machine Learning models to make predictions require the models to be trained beforehand on already existing data. Trackers in Tiki are used for this purpose because of the ease in working with data contained in them just within Tiki, eliminating the need for special tools.

Creating Dataset

You create a dataset in Tiki by simply creating a tracker. Do this by going to the **List Trackers** page, click on the **Create** button and fill in the **Create tracker** form like you would for every other tracker.



Use the create button on List Trackers page to create a tracker

tiki wiki cms	Create Tracker ×	Log out *
groupware	General	
	Name	
System Menu	Tr Divorce dataset	
Home	+ Description	
Search	Training data for Divorce Predictor model	Items
Wiki 🕶	No	
File Galleries 👻	Description is wiki-parsed	
Trackers +	Field Prefix divorcedataset	
List Trackers	Short string prepended by default to all fields in this tracker.	
Manage Tabular Formats	Permanent Name	
Machine Learning +	divorcedataset	
Settings 🕶	Required for Advanced Shopping Cart and some other	· · · · · · · · · · · · · · · · · · ·

Fill in the Create tracker form

Give it a name and a concise description and save; then add fields to the tracker to match your dataset attributes. That is, you add a field for every dataset attribute.

wiki cms groupwar	e									Log out 🝷
System Menu		-	er Fields:			_				
Home	<u></u>	Add Fie	eld 2. Import Fields	🗲 Properties 🛛 🔳	Fields	Track	ers 🔳	tems		
Search Wiki 🗸		ID	Name	Туре	List	Title	Search	Public	Mandatory	Actions
Wiki •		1	Q1 divorcedatasetQ1	Numeric						×
Trackers • Machine Learning •		2	Q2 divorcedatasetQ2	Numeric						×
Settings •		3	Q3 divorcedatasetQ3	Numeric						×
		4	Q4 divorcedatasetQ4	Numeric	~			~		×

Add a tracker field by clicking on the Add Field button

tiki	Add Field	×				
cms groupware	Name					
System Menu	Tr					
Home	Type Text Field	~	o s ⊟	Items		
Search	More types available	×	Search	Public	Mandatory	Actions
Wiki 🕶 File Galleries 🕶	More field types may be enabled from the administration panel.					×
Trackers +	Description					×
Machine Learning - Settings -					0	×
	Description contains wiki syntax	h.			0	×

Add new field form

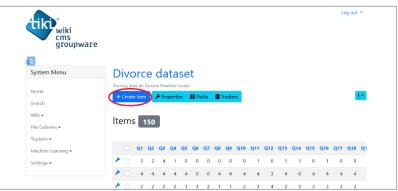
The tracker field type you choose will depend on the attribute type. Tracker Field Types has a list of available Tiki Tracker field types. Do not use multi-value field types like Checkbox Tracker Field. Only use single-value field types such as Text Tracker Field. Use Numeric Tracker Field for all continuous attributes.

Note that the field types you choose will directly affect the user experience during model use. For categorical attributes, consider using field types like Dropdown Tracker Field or Radio Tracker Field to ease user input during usage.

See Creating a Tracker for more information on creating trackers. To learn how to add fields to a tracker, see Adding fields to a tracker.

Adding Samples to Dataset

In Tiki, each tracker item represent a sample. You add dataset samples by adding items to the tracker. A simple way to do this is to use the **Create Item** form displayed after clicking on the **Create Item** button in the view tracker page.



Click on Create Item button to add tracker item

tiki	Create Item ×
cms groupware	Q1
System Menu	If one of us apologizes when our discussion deteriorates, the discussion ends. (1-5) E.g. 1.
	Q2
Home	
Search	1 know we can ignore our differences, even if things get hard sometimes. (1-5) Eg. 5.
Wiki 🕶	Ite 03
File Galleries 🕶	
Trackers -	When we need it, we can take our discussions with my spouse from the
Machine Learning -	beginning and correct it. (1-5) Eg. 2. 2 Q13 Q14 Q15 Q16 Q17 Q18 Q
	P Q4
Settings 👻	
	When I discuss with my spouse, to contact him will eventually work. (1-5) 3 4 0 4 4 4 4
	Eg. 2.

Create tracker item form

Samples can also be collected from user input if the dataset tracker is embedded in a wiki, article or blog page using PluginTracker.

Importing Samples

If dataset already exist in an external source such as a Comma-Separated Values (CSV) file, you can import samples from it to a tracker in Tiki using Tracker Import Export for this. Say you are working on Divorce Prediction project, you can download the project's dataset into your computer, then using Tracker Tabular in Tiki, import the samples into a tracker.

wiki cms groupware			Log out 👻
System Menu	Tabular Formats		
Home	+ New 🛛 🔔 Create Tracker from File	Trackers	
Search	Name	Tracker	
Wiki 🕶	Divorce dataset TT	Divorce dataset	×
File Galleries 🕶			
Trackers 🔻			
List Trackers			
Manage Tabular Formats			
Machine Learning 🕶			
Settings v			

Tracker Tabular list

wiki cms groupware																			Log	out *
System Menu		ivo			da	ta	50	+ 7	-т											
Home		Filter		Expo		-	-	-		uplicat	te (🖌 Edit	+1	New	A N	lanage				
Search	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
Wiki 🕶	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
e Galleries 🕶	1	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Trackers • Machine Learning •	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
igs 🕶	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Use the Import button to import items into tracker

See Tracker Import Export to learn how to import tracker items using Tracker Tabular.

Related links

- Machine Learning
- Creating Machine Learning Models
- Configuring Machine Learning Models
- Training Machine Learning Models
- Using Machine Learning Models
- Trackers
- Tracker Field Types
- https://github.com/RubixML/Divorce