# TRecSys

*Release 0.1*

**ArgMaxML**

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TRecSys is a tabular similarity search server. Install it into your project to have your very own recommendation engine.

You can:

- customize the filters, encoders, and user encoders for the similarity search server.
- index a list of items based on feature values
- search by item to get the other items most similar to it
- save your custom similarity search models to disk
- load your custom similarity search models from disk

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**Note:** TRecSys is created by **argmaxml**. We are focused on creating software the enables you to integrate recommendation engines into your product to increase customer engagement.

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Check out the welcome for further information.

CHAPTER

# ONE

# WELCOME

CHAPTER

TWO

# TRECSYS DOCUMENTATION

TRecSys is a tabular similarity search server. Install it into your project to have your very own recommendation engine.

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- search by item to get the other items most similar to it
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CHAPTER

THREE

# FILTERS

HARD FILTERS. USUALLY BY GEO OR LANGUAGE

What they are Why use them How to use them Examples

CHAPTER

FOUR

# ENCODERS

What they are Why use them How to use them Examples

CHAPTER

FIVE

# USER ENCODERS

What they are Why use them How to use them Examples

CHAPTER

SIX

# INDEX VALUES

each item should be a dict mapping an item feature to its value.

What does it mean to index values (what are the values) Why do it How to do it Examples

CHAPTER

# SEVEN

# QUERY

Gets a single item and returns its k nearest neighbors. What does it mean to save to disk When do it Why do it How to do it

CHAPTER

EIGHT

# SAVE MODEL

Save your custom similarity search models to disk. What does it mean to save to disk When do it Why do it How to do it

CHAPTER

NINE

# LOAD MODEL

Load your custom similarity search models from disk.

What does it mean to load from disk (where does it load to) When do it Why do it How to do it

CHAPTER

# TEN

# GET STARTED

## 10.1 Installation

### 10.1.1 Using `pip`

You can install TRecSys in several ways using `pip`. Choose one of the following.

Install from PyPl.

Install from GitHub.

### 10.1.2 Run Server

After installing, run a server. .. code:

```
python -m TRecSys
```

Browse to http://127.0.0.1:5000/docs.

You should see a swagger interface for the REST API.

The package is accessible via rest or python bindings.

## 10.2 FAQ

FAQ

## 10.3 Contribution Guidelines

Contribution Guidelines

CHAPTER

# ELEVEN

# USING TRECSYS

## 11.1 Server

Server