

DeepChat

User Manual

Usage, and Troubleshooting Guide

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1. Getting Started

DeepChat can be accessed through both the web version and the local installation. Both versions require an initial setup using the provided installation package. After installation, users can access DeepChat via different methods:

Web Version (Recommended)

Visit: <https://mynamedeepchat.xyz>

No need to start a local database server.

Always synchronized with the latest front-end updates from the system.

Local Installation

Follow the instructions provided in **deepchat_access.pdf** to install locally.

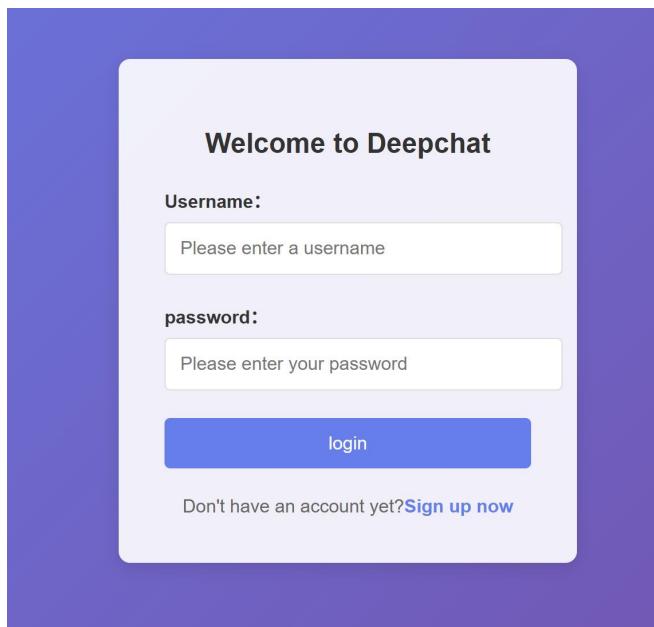
Access DeepChat by opening: http://localhost:8001/Main/Chat_Interface.php

No need to manually launch a database

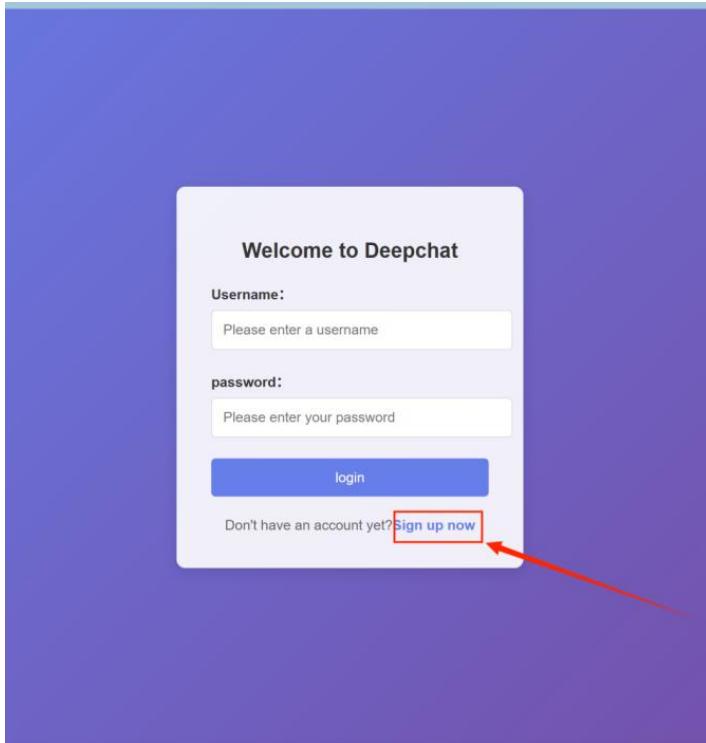
2. Account Registration and Login

Step 1: Enter login page

Visit: <https://mynamedeepchat.com>



Step 2: Click "Sign Up Now"



Step 3: Fill registration form

- Username
- Age
- Gender
- Email
- Password
- Confirm Password
- CAPTCHA image refreshable

User Register

Username: Enter your username ← Enter Username at here

Age: Must ← Enter Age at here

Gender: -- Select Gender -- ← Select gender at here
(Male, Female, other)

Email: Must ← Enter email at here

Password: 6-18 letters or numbers ← Enter Password at here

Confirm Password: Re-enter your password ← Enter Password again

Verification Code:
 Enter the code ← Enter code throughout picture
(Click image to refresh)

I'm not a robot ← Finish human-robot test
recAPTCHA
Privacy - Terms

Submit Reset Back

Step 4: Login

- After registration, enter username and password

Welcome to Deepchat

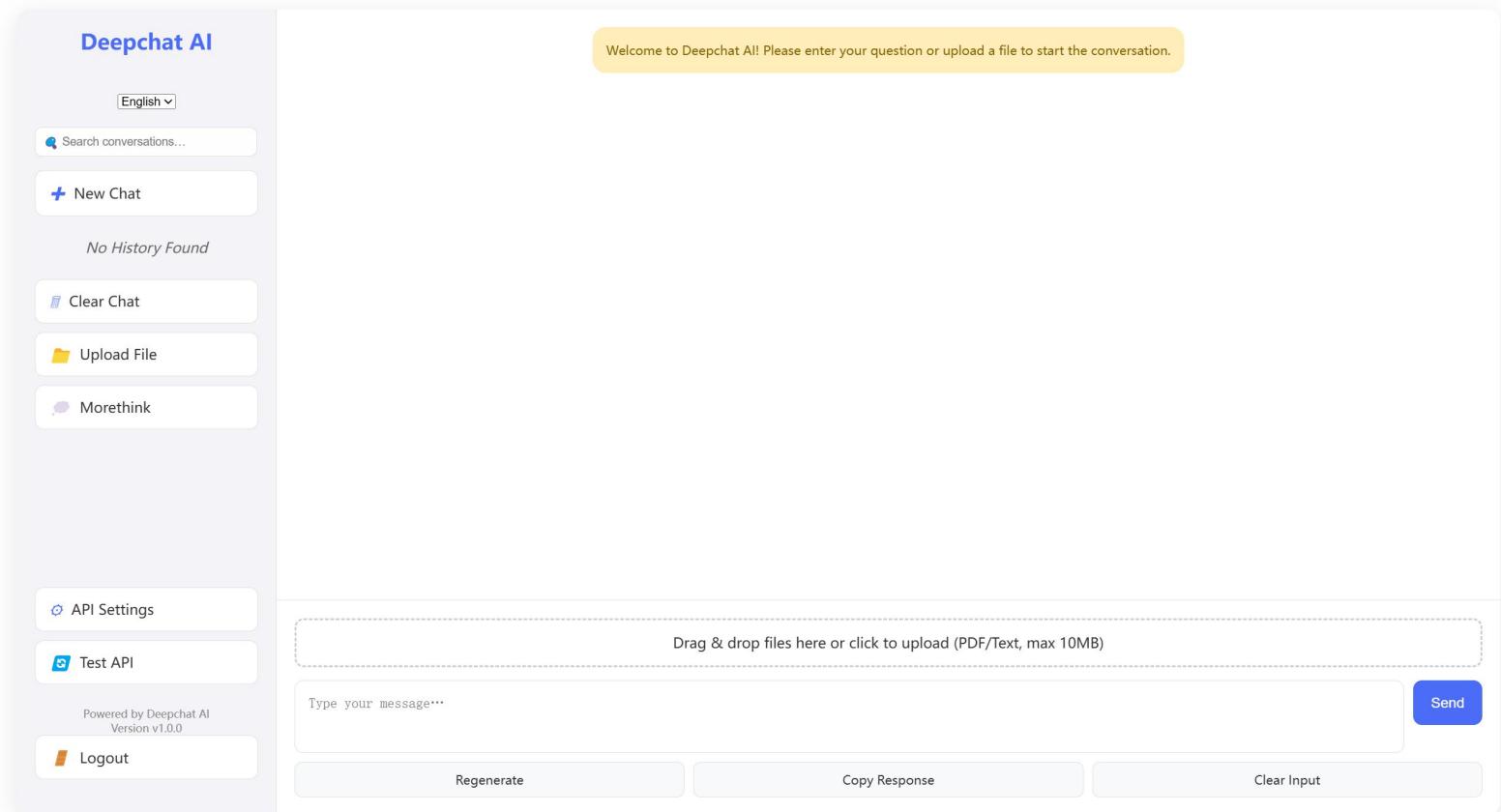
Username: Please enter a username 1.Enter username at here

password: Please enter your password 2.Enter password at here

login 3.Click the button login system

Don't have an account yet? [Sign up now](#)

Step 5: Log in successfully



Now you can view the main page of deepchat

3. Basic Usage

Start Chatting

- Type in input box
- Press Enter or click Send

Upload Files

- Click Upload or drag and drop
- Supported formats: PDF, TXT, MD, CSV
- Max size: 10MB

Deepchat AI

English ▾

Extract text in your pdf

Search conversations...

New Chat

--- Page 1 --- Lecture 11 ---

hello

Clear Chat

Upload File

Morethink

API Settings

Test API

Powered by Deepchat AI Version v1.0.0

Logout

--- Page 36 ---
Linear classification: logistic regression •Find that minimises
Logistic regression: MLE (maximum likelihood estimation) with sigmoid Why log function used? To avoid numerical instability.unfold
Increase this one to make it as close as possible to 1Decrease this one to make it as close as possible to 0Third step

--- Page 37 ---
Linear classification: logistic regression •Given training data i.i.d. from distribution D•Find w that
minimises
No close form solution; Need to use gradient descent, which will be introduced in the next lecture Achieved

--- Page 38 ---
Why sigmoid function?

--- Page 39 ---
Exercises
•Given the dataset and consider the mean square root error, if we have the following two linear functions:
 $f_w(x) = 2x_1 + 1x_2 + 20x_3 - 330$
 $f_w(x) = 1x_1 - 2x_2 + 23x_3 - 332$ please answer the following questions:
•(1) which model is better for linear regression?
•(2) which model is better for linear classification by considering 0-1 loss for $y \in \{0, 1\}$?
•(3) which model is better for logistic regression for $y \in \{0, 1\}$?
•(4) According to the logistic regression of the first model, what is the prediction result of the first model on a new input $(181, 92, 12.4)$. $x_1x_2x_3y$ 1828711.33251899212.33441787910.63501839012.7320 Check the exercises of the lecture notes for answer.

Click button to quick generating questions

Overall Summary Extract Table of Contents Extract Key Points Generate Multiple-Choice Questions Pros & Cons Analysis Expand Further

Drag & drop files here or click to upload (PDF/Text, max 10MB)

Type your message...  Send

Regenerate Copy Response Clear Input

•(2) which model is better for linear classification by considering 0-1 loss for $y \in \{0, 1\}$?
•(3) which model is better for logistic regression for $y \in \{0, 1\}$?
•(4) According to the logistic regression of the first model, what is the prediction result of the first model on a new input $(181, 92, 12.4)$. $x_1x_2x_3y$ 1828711.33251899212.33441787910.63501839012.7320 Check the exercises of the lecture notes for answer.

Overall Summary

Overall Summary of Lecture 11: Linear and Logistic Regression

Key Concepts Covered

1. **Inductive Bias**

- Defines assumptions a learning algorithm uses to generalize to unseen data.
- **Hypothesis space bias**: Restricts models to a specific class (e.g., linear functions).
- **Preference bias**: Prioritizes certain models within the hypothesis space (e.g., simpler models).
- Examples: Decision trees favor axis-aligned splits; k-NN assumes local similarity.

2. **Linear Regression**

- **Goal**: Find parameters w that minimize the **mean squared error (MSE)** between predictions and true labels.
- Loss function: $\frac{1}{n} \sum_{i=1}^n (w^T x^{(i)} - y^{(i)})^2$.
- Matrix form: $\mathcal{L}(w) = \|Xw - y\|_2^2$, solved via optimization (e.g., gradient descent).
- **Bias term**: Incorporated by appending a constant feature (e.g., 1) to input vectors.

Overall Summary Extract Table of Contents Extract Key Points Generate Multiple-Choice Questions Pros & Cons Analysis Expand Further

Drag & drop files here or click to upload (PDF/Text, max 10MB)

Type your message...  Send

Regenerate

Copy Response

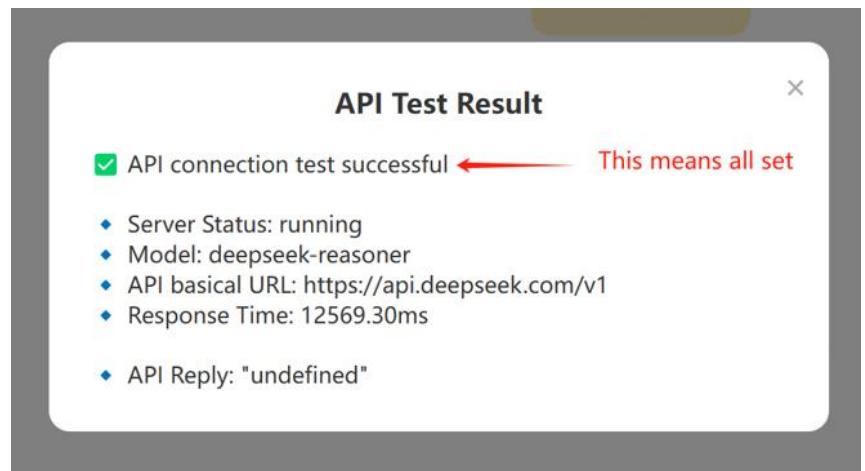
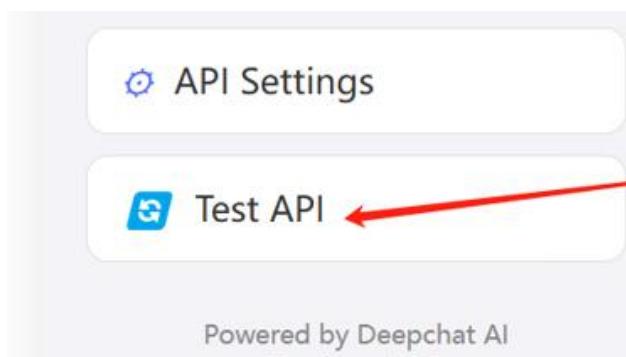
Clear Input

Could also make an overall summary with pdf (e.g: question about Linear Regression)

4. Advanced Features

API Settings

- Navigate to API Settings
- Input API Key
- Click Test API



5. Administrator Features

Admin Registration and Login

Administrators can log in using their username and password.

To register as an administrator, users must provide a valid Admin Key, which can only be obtained from an existing administrator.

Admin Login Page:

A screenshot of an "Admin Login" page. At the top left are two buttons: "Login" (highlighted with a green underline) and "Register". Below them is the heading "Admin Login". There are two input fields: "Username" and "Password", each with a corresponding empty input box. Below these is a large green "Login" button. At the bottom left is a link "Back to User Login".

Admin Registration Page:

The screenshot shows a registration form titled "Admin Register". At the top, there are two buttons: "Login" (disabled) and "Register" (highlighted with a green underline). The form fields include "Username", "Password", "Email", and "Admin Key", each with an input field. A large green "Register" button is at the bottom, and a "Back to User Login" link is below it.

Admin Register

Username

Password

Email

Admin Key

Register

Back to User Login

Admin Dashboard

After logging in, administrators can view a list of all registered users and their corresponding conversation records.

Administrators have the ability to:

- View all user conversations.
- Delete specific conversations.
- Delete specific users.

Users

- logan
Created: 2025-04-27 08:19
- zihong luo
Created: 2025-04-27 04:21
- bqy040222
Created: 2025-04-27 04:15
- Kenneth
Created: 2025-04-26 17:14
- Bonnie
Created: 2025-04-26 04:54
- Jack
Created: 2025-04-26 03:48

Conversations

- Page 1 --- Lecture 11 --Linear and Logistic Re
Updated: 2025-04-27 21:51
- hello
Updated: 2025-04-27 21:14

Messages

User
hello
2025-04-27 08:57:47

Assistant
Hello! How can I assist you today? 😊
2025-04-27 08:57:57

User
tell
2025-04-27 08:58:05

Assistant
It seems like your question got cut off. Could you clarify or provide more details about what you'd like me to tell you? For example:
- "Tell me a fun fact"
- "Tell me a joke"
- "Tell me about [topic]"
Let me know—I'm here to help! 😊
2025-04-27 08:58:30

User
tell me something about mercedes-Maybach s680 and Brabus
2025-04-27 08:58:40

Assistant

Admin Dashboard Interface:

This functionality ensures that administrators have full control over user management and conversation moderation within the system.

6. Troubleshooting

Connection Issues

- Check internet
- Refresh page
- Clear browser cache

Upload Issues

- Check file size and format

7. Best Practices

Optimal Usage

- Use modern browsers
- Keep browser updated

Security Tips

- Don't share sensitive info
- Log out on public computers

8. System Requirements

Minimum

- OS: Windows 10+, macOS 10.15+, Linux
- Browser: Latest Chrome, Firefox, Safari, Edge
- Internet: Stable broadband
- Resolution: 1280x720+

Recommended

- OS: Latest Windows/macOS/Linux
- Browser: Latest Chrome or Firefox
- Internet: High-speed
- Resolution: 1920x1080+