## HieNaR "Copilot" Tool Manual <u>hienar.com</u>

Version on June 11, 2025 (Wed)

### Introduction

- (1) The recommended web browser is "Google Chrome."
- (2) Using this tool requires an OpenAI API key at your own expense.
- (3) We would appreciate your cooperation with the following:
  - I. Change the chat name to reflect its content
  - II. "Publish" chats that you like



	Items	Pages
Cover		1
	Introduction	2
	Table of Contents	3
Concept		4
	Three-Dimensional Representation for Social Values	5
	Input and Output	6
	Demo Movie	7
	Supplement (1): Hierarchical Representation for Ethical Design	8
	Supplement (2): Narrative Structure for Data Utilization	9
Account Management		10
	Account Registration	11
	Login	12
	Changing Account Information	13
	Password Recovery (1) - (3)	14 - 16
	Logout	17
	Account Closure	18
Chatting		19
	Opening Chat Screen	20
	OpenAl API Key Setup	21
	Model Selection	22
	Streaming Mode Selection	23
	Mode Selection	24
	Setting Representation Space Axes	25
	Conducting Chat	26
	Restarting the chat from a certain point	27
	Graph Zoom, Move, Rotate	28
	Adjusting font and arrow sizes	29
Chat Management		29
	Opening Chat	29
	Editing Chat Information	32
	Publishing Chat	33
	Deleting Chat	34
Practice Exercise		35
	Creating Basic Graph Forms	36
	Sample Output (1)	37



Concept





### Input and Output

• LLM.



#### HieNaR "Copilot" Tool takes a graph generation theme as input and outputs narrative structures for design ideas through chat with an

Create a graph about it

#### Output

- - Narrative structures for design ideas:
    - From social values to technologies, and
    - From raw data to pattern understanding, and
    - From worldview and narratives to representation particles





### Demo Movie

- Demo videos are available on YouTube.
- <u>https://www.youtube.com/watch?v=qDLcNDrbdNg</u>

+ + C t hanneemidder	+ + C * hanacemyedia	• • • HKNUR - •	eartar	я +		
Home   Gallery   How ita   Terms   Bagister   Login   Editor (Quen New)   Editor   Setting           Item user it: 1, name: kain         editor	Home   Gallary   How to   Terms   Bagister   Login   Editor (Quen New)   Editor   Setting           Ign user id: 1, name: taits         Inter determs         Int	÷ ⇒ C ti hiar	nar.com/editor			
bigin user is: 1, name: kaita	login user is: 1, nemes kaits	Home   Gallery   How t	to   Terms   Regi	stor   Login   E	ditor (Open Now)   E	alcier   Setting
set of texts (unridicitud) set of texts (unridicitud) text of text of tex	set ef fexts (wordwirw) set ef fexts (wordwirw) text (norvalve) set e	login user id: 1, name: kaira				
set of Boots (worldwines) type subject subject (normative) subject (n	set of foods (workdowne) set of foods (work	chatiki chateano editor reference proto				
set of texts (worldwinw) type (narrative) subtext subt	set of ficits (worldview) tigt (normblive) subtext sub					
set of texts (worldwiew) tigt (norrative) autor	set of texts (worldwiew) tipt (norrative) autors au					
set of texts (worldwiew) tigst (normative) subtext sub	set of texts (worldwiew) tight (normative) subtext sub					
set of facults (worldwigw) tigst (normative) authors a	set of facults (worldwitter) tigt (normative) autorial		1.1			
tight (normative) autorative	tight (normative) autorst au	set of to	ixts (worldview)			
subtext and and and and and and and and	subtext and and and and and and and and	땿	t (narrative)			
Sectored Welcoment w	Sectored Sector	1 and	subtext			
And States Total	And	200	sertence			
and interesting	and Reconstruction Reconstru	2	ubsen/ence		Welcomet	
Resolverd Resolverd	Reserverd Reserverd	Tao	arord		•	
Starter at an and a start at at a start at a start at a	States to a solution of the second of the se	i i i i i i i i i i i i i i i i i i i	subwerd			
States action and action and actions actions and actions actions and actions a	substrate substrate particle substrate particle substrate substrate substrate substrate particle substrate substrate particle substrate particle substrate particle substrate particle substrate particle substrate particle substrate particle substrate particle substrate particle substrate particle substrate particle substrate particle substrate particle substrate particle substrate substrate particle substrate subs		Scharaeter .			
Buttering Buttering particle states states particle parti	Bartelo partico storgestine storgestine partico partic		alochera cut			
Superiore particle States rule particle States rule particle parti	Superior particle states faites particle states particle particle particle particle particle states particle particle particle states particle particle states particle particle states particle particle states particle particle states particle particle states particle parti		Deletta I			
sartina states total saturation partical saturation partical saturation partical saturation partical saturation partical saturation partical saturation partical saturation partical saturation partical saturation partical saturation partical saturation partical saturation sat	second and	1	Baubergen		1	
States that a succession and success	States to the second to the se		paroca			
States with the second	States careful and the states		100			2-2-2-
Fortaction Control Participation Control Par	Fartarian Done of mean pa		Sto	Sen tother		SWO-Sotars
All ale	With the start			. es. 68()	(18) A	TOLE OL WICH PR
				to.	00	POCH PINE OF COMPACE

#### [HieNaR] Space filled, design fulfilled



miller 7人 チャンネル登録

#### 87 回視瞭 11 日前

This video introduces the basic usage scenarios of the HieNaR "Copilot" tool.

HieNaR "Copilot" tool is now available at:…もっと見る

#### ouTube. <u>ch?v=qDLcNDrbdNg</u>



山2 切 みち 気保存 …



#### Supplement (1): Hierarchical Representation for Ethical Design

The prototype of the systems thinking axis is defined in references [1, 2] and others. The hierarchy shows that people exist beyond systems (A), and society exists beyond people (B).



- design. AI & SOCIETY 35, 51–71 (2020). <u>https://doi.org/10.1007/s00146-018-0867-z</u>
- Applications. IOS Press, pp 307–314. <u>https://doi.org/10.3233/978-1-60750-477-1-307</u>

1. Sekiguchi, K., Hori, K. Organic and dynamic tool for use with knowledge base of AI ethics for promoting engineers' practice of ethical AI 2. Sekiguchi K, Tanaka K, Hori K (2009) "Design with discourse" to design from the "ethics level". In: Družovec TW, Jaakkola H, Kiyoki Y, Tokuda T, Yoshida N (eds) Volume 206: information modelling and knowledge bases XXI, Frontiers in Artificial Intelligence and



# Supplement (2): Narrative Structure for Data Utilization

(vertical axis) and representation state (horizontal axis).



(2024). <u>https://doi.org/10.1007/s00146-024-02156-y</u>

The prototype of the hierarchical narrative structure for data utilization is defined in reference [1]. It addresses representation granularity

**Requirement Representation** 

#### 1. Sekiguchi, K. and Ohsawa, Y.: Aiding narrative generation in collaborative data utilization by humans and Al agents, Al & SOCIETY



Account Management

- Account registration is required to create graphs with HieNaR "Copilot" • Tool.
- "Name" can be a nickname. "Mail" is used for password reset (a dummy email is fine if you won't reset your password).



### Account Registration

11

## Login

• account.



To create graphs with HieNaR "Copilot" Tool, log in with your registered



## Changing Account Information

• information.



HieNaR "Copilot" Tool allows you to edit your registered account



registered email address if you forget it.

<ul> <li>HieNaR - login × +</li> <li>← → C ≤ hienar.com/login</li> </ul>	<ul> <li>♦ ● ● ■ HieNaR - require recovery × +</li> <li>← → Ø ≤; hienar.com/require_reset</li> </ul>
Heretar - keyin x +	I dome   Gallery   How to   Terms   Register   Login   Editor   Folder   Setting (2) Enter your account name Senda password recovery mail Registered name : sample Registered mail : aaa@bbb.coc (3) Enter your email address The next steps are: • Click the "Require" button once • Click the URL in the mail to open the page to recover password • (4) Check "Verify you are human"
<u>Open register page</u>	<b>Require</b> 5 Click the "Require" button

## Password Recovery (1)

#### HieNaR "Copilot" Tool allows you to reset your password using your



14

- (Continued)
- Check the email with the subject "Password Recovery" sent from "HieNaR Support" (set.new.password [at] hienar.com).

		Ē
SH HieNaR Support Password recovery 宛先:		
Dear , This is HieNaR. Please click the URL to open a page	to reset your password:	

https://hienar.com/recovery username=kaira&token=y4AafCwMxVmvj6sFO1nrFQB0rBhuSHxYasFHl4H47wjW0tN6XV8firR 1Hv

This link is available in one hour.

If you have received this message in error, please mail us:

hienar.com [at] gmail.com

## Password Recovery (2)





- (Continued)
- opens.



Password Recovery (3)

#### • Click the link in the email and set a new password on the page that



### Logout

#### HieNaR "Copilot" Tool allows you to explicitly log out. •





### Account Closure

- own operation.
- (as much as possible). This action cannot be undone.



HieNaR "Copilot" Tool allows you to close your account through your

#### All data from deleted accounts will be removed from the database

۲

(2) Enter your account name

(3) Check "Verify you are human"

(4) Click the "Update Setting" button



Chatting

## **Opening Chat Screen**

#### • HieNaR "Copilot" Tool provides the "Editor" page for creating graphs.



					~
	⊚ා ඕටු ;	☆ 🛞	٤	}   ±	2:
i II					
Open New)" link					
Enter OpenAI API key here 🔯	o4-mini+o3	~ Bulk	Ŷ	Simple	~
Hierarchical Representation of Objects Option Placement Personal Cor	States VIII	erarchical akeholders	Narrative	Represent e series	tation
Enter your idea here					60





### **OpenAl API Key Setup**

- •
- yourself.



HieNaR "Copilot" Tool requires an "OpenAI API Key" to create graphs. Please prepare your own OpenAI API Key and bear the usage costs



- HieNaR "Copilot" Tool allows you to select the model to use: •

  - · 03



### Model Selection

o4-mini+o3 : o4-mini for conversation branching, o3 for graph data generation o4-mini : o4-mini for both conversation branching and graph data generation : o3 for both conversation branching and graph data generation



## Streaming Mode Selection

- HieNaR "Copilot" Tool allows you to select streaming mode.
  - Bulk
  - trial results



: Outputs the final generation results all at once Streaming : Outputs progressively, including summaries of the LLM's

#### To enable streaming, you may be required to complete "Verify **Organization**" in the OpenAl account where you issued the API Key.



### Mode Selection

- HieNaR "Copilot" Tool allows you to select the generation mode: • Simple : Let the program settings handle graph features (node labeling, edge direction, etc.) (Recommended)

  - Advanced: Configure graph features in detail yourself through prompts •





### Setting Representation Space Axes

- axes.





HieNaR "Copilot" Tool allows you to change the representation space

#### An error will occur if the number of configured axes is not three.



## Conducting Chat

- HieNaR "Copilot" Tool allows you to create graphs while chatting with a Large Language Model.
- See also Page 6 for what is required as input.





### Restarting the chat from a certain point

conversation from the middle of a chat.



The HieNaR "Copilot" tool allows you to create a copy and restart the



### Graph Zoom, Move, and Rotate

Zoom

#### •

Editor (Open New) | Folder | Setting

challenges remaining for humanity in the AGI era

lignment algorithms for trustworthy and aligned AGI

HieNaR "Copilot" Tool provides various ways to adjust the graph display.





## Adjusting font and arrow sizes

• size within graphs.



#### The HieNaR "Copilot" tool allows you to change the font size and arrow



Chat Management

## Opening Chat

 HieNaR "Copilot" Tool automatically saves past chats, and you can open each one from the "Folder" page. (You can also open them directly from the chat URL)

•••	HieNaR -	folder × +	
<ul><li>← → (</li></ul>	9 🖘 hiei	(1) Click the	link to the "
HieNa	aR		
<u>Home   Ga</u>	allery   How t	to   Terms   Register   Login   Editor   Folder   Setting	
Chat id	Created	Name	
<u>127</u>	2 mins	New chat	-
<u>90</u>	13 days	[Fix] Safety and Alignment for ADL (Demo Movie ver)	-
<u>78</u>	14 days	AGI to any	-
<u>66</u>	14 days	Al success and risk scenarios (2) C	ck "Chat id"
22	18 days	[Fix] Al-driven National Growth Strategy	
21	18 days	Al-driven National Growth Strategy	-
<u>18</u>	19 days	[Eix] AI for economic growth	-
14	19 days	Al for economic growth	-
<u>6</u>	21 days	[Fix] Demo movie	-





## Editing Chat Information

• Note) to individual chats.



#### HieNaR

Chat id	Created	Name	
<u>127</u>	32 mins	New chat	-
<u>90</u>	13 days	[Fix] Safety and Alignment for ADI (Demo Mor	vie ver)
<u>78</u>	14 days	AGI for alignment and safety	-
<u>66</u>	14 days	Al success and risk scenarios	(3) Enter informat
22	18 days	[Eix] Al-driven National Growth Strategy	
21	18 days	Al-driven National Growth Strategy	-
18	19 days	[Fix] AI for economic growth	-
<u>14</u>	19 days	Al for economic growth	-
6	21 days	[Fix] Demo movie	-

#### HieNaR "Copilot" Tool allows you to add information (Name, Reference,

### Publishing Chat

HieNaR "Copilot" Tool allows you to publish your own chats publicly.
 Published chat contents become viewable by other users and will be used by the operator for service provision (such as suggestion features).



![](_page_32_Picture_3.jpeg)

### Deleting Chat

- own operation.
- much as possible). This action cannot be undone.

![](_page_33_Figure_3.jpeg)

#### HieNaR "Copilot" Tool allows you to delete individual chats through your

#### All data from deleted chats will be removed from the database (as

![](_page_33_Picture_6.jpeg)

Practice Exercises

## Creating Basic Graph Forms

- Please create a graph following these steps:
  - Ask in chat "Tell me ideas for realizing XX"
  - Check the bullet points in the response
  - Select one item that interests you
  - Instruct in chat "Create a graph for the Xth idea"
  - Instruct in chat "Add proper nodes to Raw state in this graph"
  - Instruct in chat "Add a proper node to the Text level in the Patterned state of this graph"
  - Instruct changes in chat to complete your own unique graph

![](_page_35_Picture_9.jpeg)

## Sample Output (1)

#### The HieNaR "Copilot" tool's basic graphs structure narrative patterns, system design scenarios, and corresponding datasets.

![](_page_36_Picture_2.jpeg)

![](_page_36_Picture_3.jpeg)