

Single Day Event

Don't Panic! How to Co-Exist with AI and Keep Your Job?

Johnson & Johnson
IDAR, C&SP
Song, Jiaqi
Chen, Yufan

DISCLAIMER

- To avoid conflicts of interest, this presentation does not specify which AI tools are used when discussing AI.
- Some answers in this presentation are generated by AI and do not represent personal views. Please cite with caution.
- All images in this presentation are AI-generated and do not have copyright issues.
- The data analysis in this presentation is based on dummy data, with no real data involved. The results are for illustrative purposes only and have no practical significance.
- This presentation is for informational purposes only and does not represent professional guidance or advice. Any views and opinions expressed during this presentation are those of the presenters and do not necessarily reflect the views or policies of Johnson & Johnson.

List the top 10 reasons why people are panic about AI

Here are the ten most common AI panic reasons:

1. Job displacement
2. Loss of human control
3. Ethical concerns
4. Privacy invasion
5. Superintelligence
6. Autonomous weapons
7. Deepfakes
8. Economic inequality
9. Skill erosion
10. AI bias

Put the reasons in a word cloud in Chinese & English

Certainly! Please check the code



AI Panic Word Cloud

[Click to preview](#)



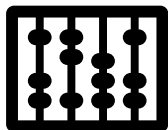
TOP 5 AI-REPLACEABLE JOBS



Data
Entry



Telemarketers



Accountants &
Bookkeepers

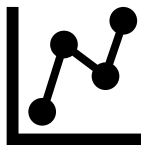


Assembly Line
Workers

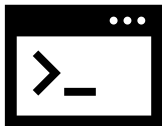


Couriers &
Delivery Drivers

TOP 5 AI-ENHANCED JOBS



Data
Analysts



Software
Developers



Medical
Diagnostic
Doctors



Financial
Analysts



Marketing
Specialists

The top 5 jobs most easily replaced by AI

Here are the 5 jobs most easily replaced by AI:

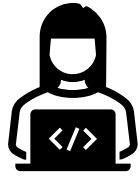
1. Data Entry Clerks
2. Telemarketers
3. Accountants and Bookkeepers
4. Assembly Line Workers
5. Couriers and Delivery Drivers

The top 5 professions where AI can most improve efficiency

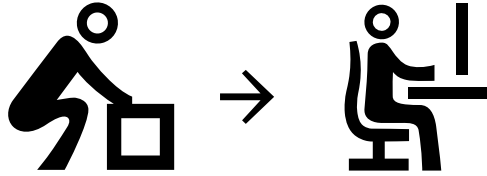
Here are the 5 jobs AI can greatly increase efficiency:

1. Data Analysts
2. Software Developers
3. Medical Diagnostic Doctors
4. Financial Analysts
5. Marketing Specialists

TOP 5 REASONS WHY DATA ANALYSTS ARE NOT EASY TO BE REPLACED BY AI



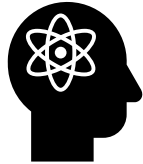
Human-Machine
Collaboration



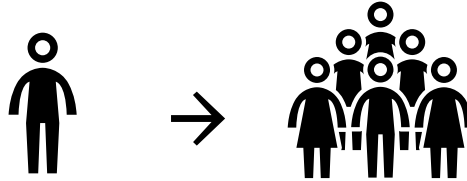
Higher-value tasks



Dynamic
Environment



Complexity &
Creativity



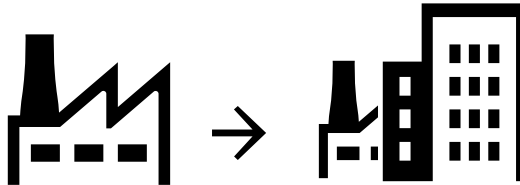
More job roles and
opportunities



Ethics &
Judgment



Domain
Expertise



Business growth &
expansion

Why does AI provide the most efficiency improvement for data analysts, but doesn't lead to unemployment?

Reasons include:

1. Complexity and Creativity
2. Human-Machine Collaboration
3. Dynamic Environment
4. Ethics and Judgment
5. Domain Expertise

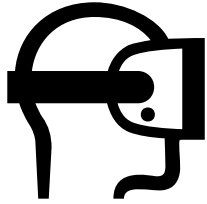
AI's role in this field is more about enhancement and assistance rather than replacement.

Shouldn't increased efficiency mean fewer resources are needed?

Efficiency gains don't directly mean job cuts

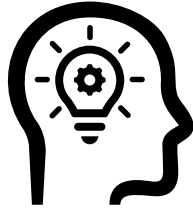
1. AI frees up workers for higher-value tasks
2. AI creates new job roles and opportunities
3. Improved efficiency can drive business growth and expansion

TIPS FOR STATISTICAL PROGRAMMERS IN AI ERA

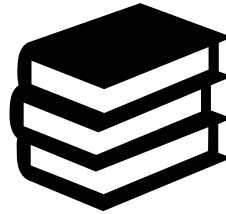


Embrace AI Tools

Collaborate with AI systems to enhance the depth and breadth of data analysis



Innovative Thinking



Continuous Learning



Enhance Communication Skills



Strengthen Domain Knowledge

Working as a statistical programmer during the AI era, could you provide me with some tips to ensure I remain valuable and secure in my job?

Here are some suggestions:

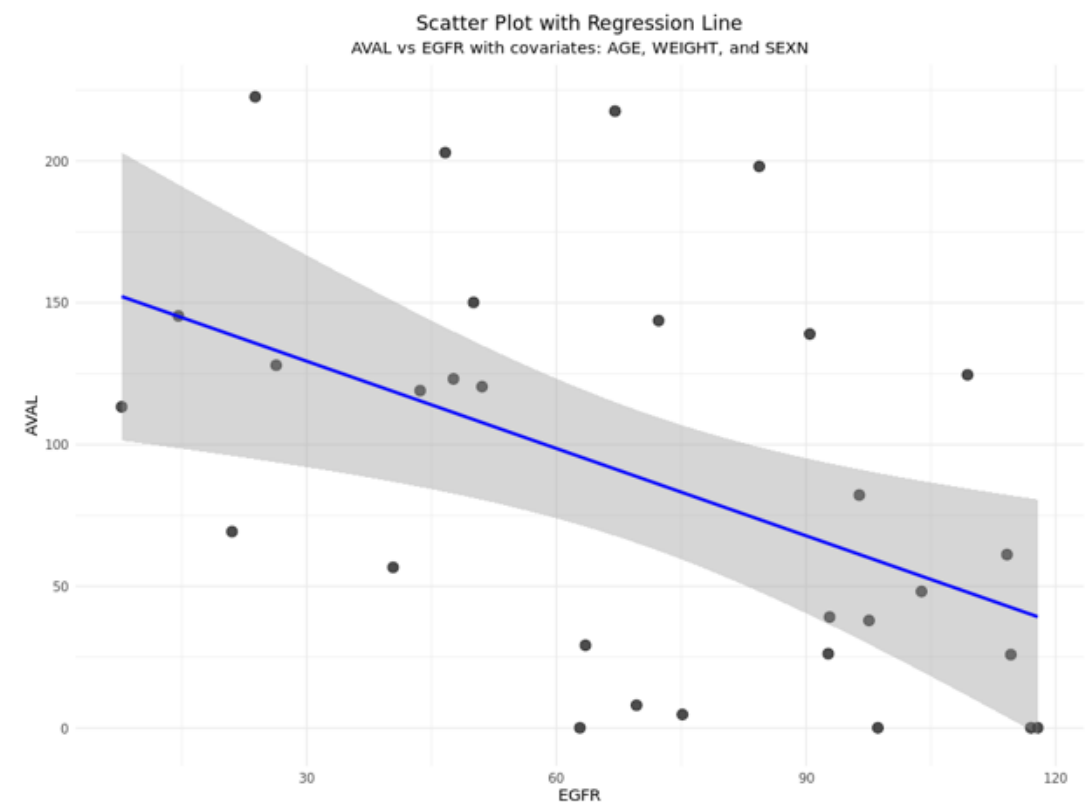
1. Embrace AI Tools
2. Innovative Thinking
3. Continuous Learning
4. Enhance communication Skills
5. Strengthen Domain Knowledge

By following these strategies, you can maintain your relevance and competitiveness in the AI era, becoming an indispensable member of your team.

Please elaborate on each point and provide examples.

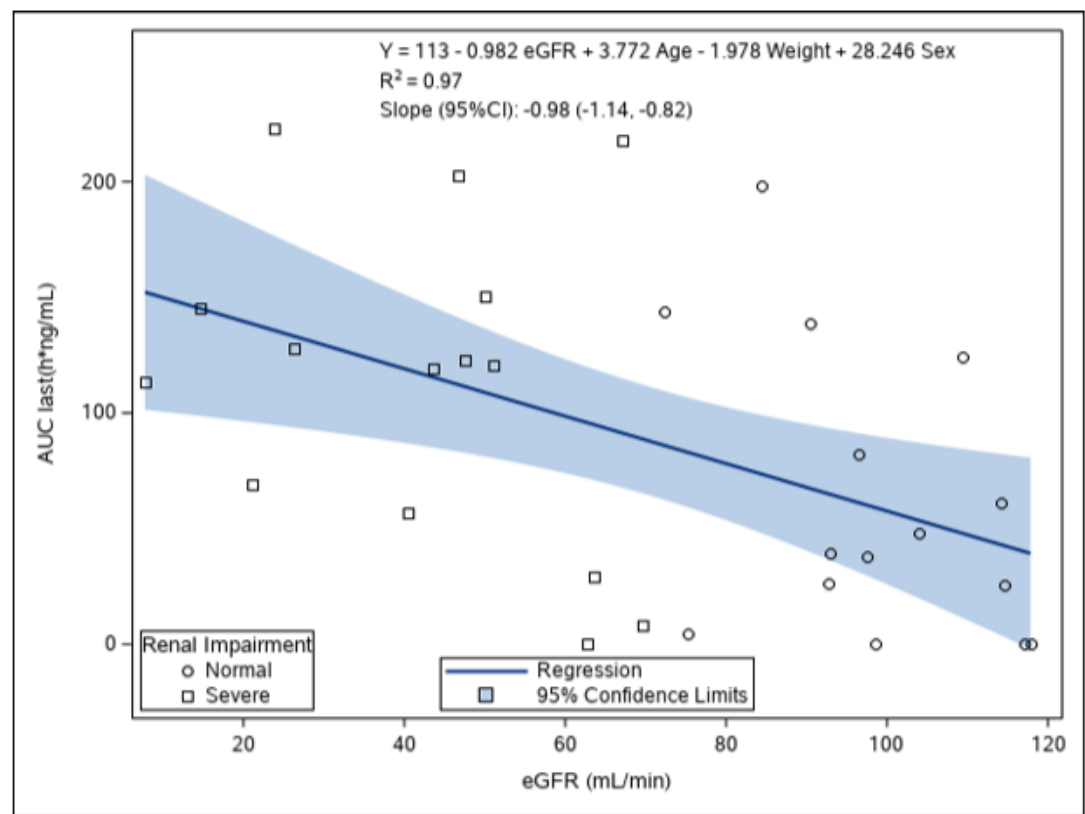
Certainly! Please check the examples of each point.

QC BY R

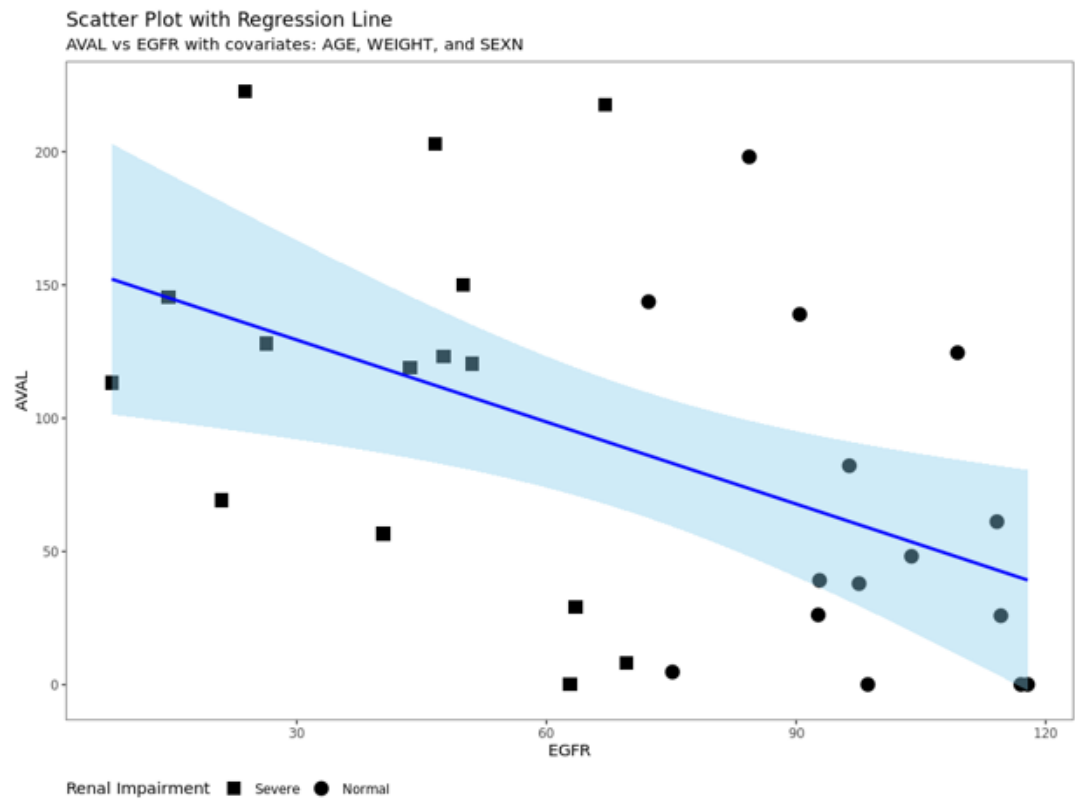


dataframe pkdata contains the following variables:
'AVAL'(type:numeric); 'AGE'(type:numeric); 'WEIGHT'(type:numeric)
'SEXN'(type:numeric); 'RFGROUP'(type:character); 'EGFRN'(type:numeric)
Create a R graph based on pkdata, y var is AVAL, x var is EGFRN.
Add scatter plot and a regression line with 95%CI band.

PRODUCTION BY SAS



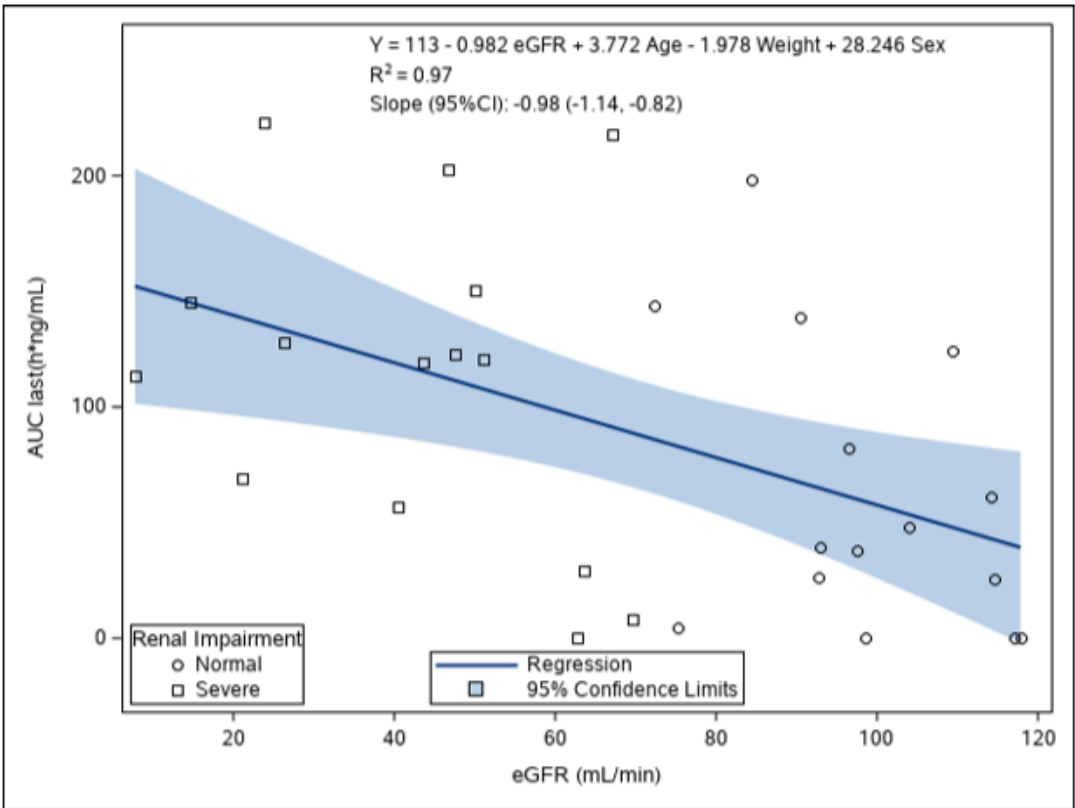
QC BY R



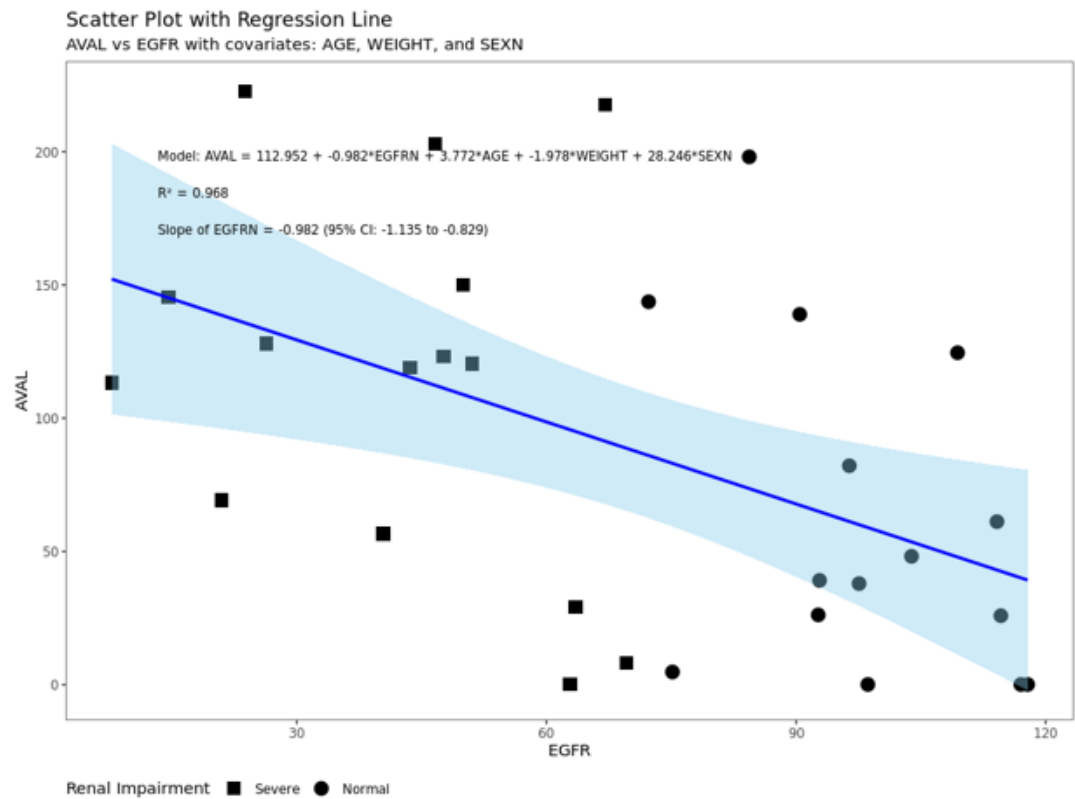
dataframe pkdata contains the following variables:
'AVAL'(type:numeric);'AGE'(type:numeric);'WEIGHT'(type:numeric)
'SEXN'(type:numeric);'RFGROUP'(type:character);'EGFRN'(type:numeric)
Create a R graph based on pkdata, y var is AVAL, x var is EGFRN.
Add scatter plot and a regression line with 95%CI band.

Group scatter shape by RFGROUP, 'Severe' to square, 'Normal' to circle,
set the legend title to 'Renal Impairment', put legend at bottom.
Change the band color to skyblue, theme to theme_test().

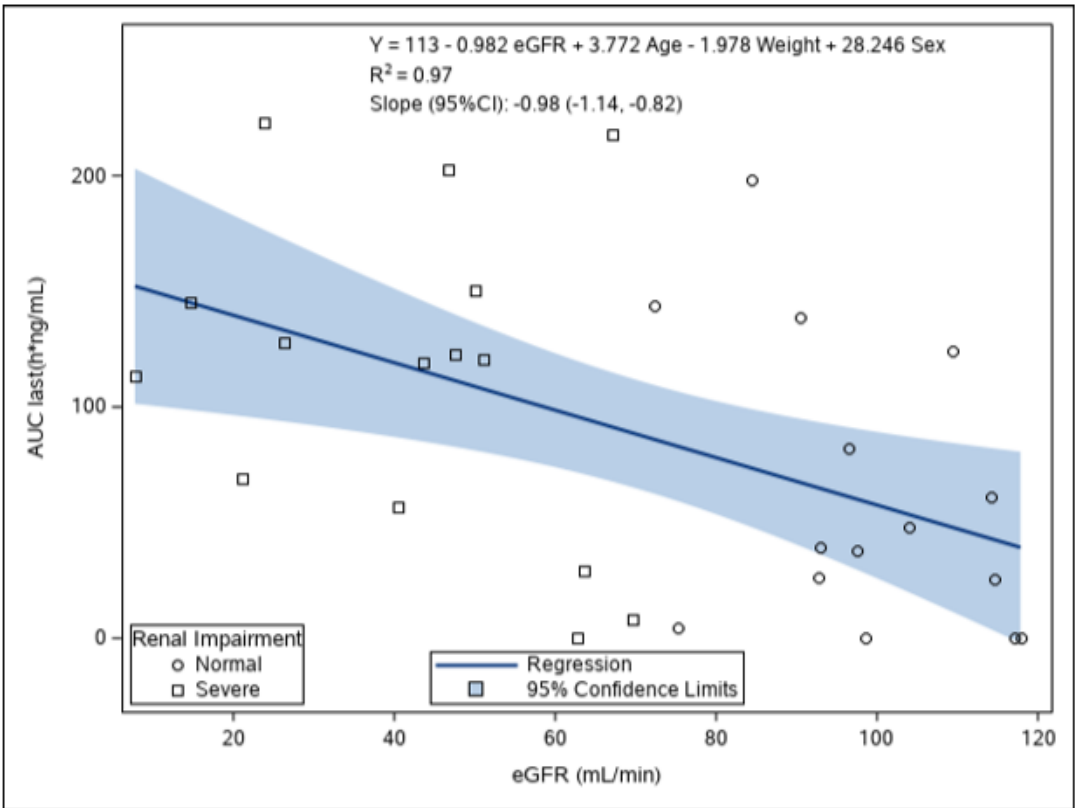
PRODUCTION BY SAS



QC BY R



PRODUCTION BY SAS

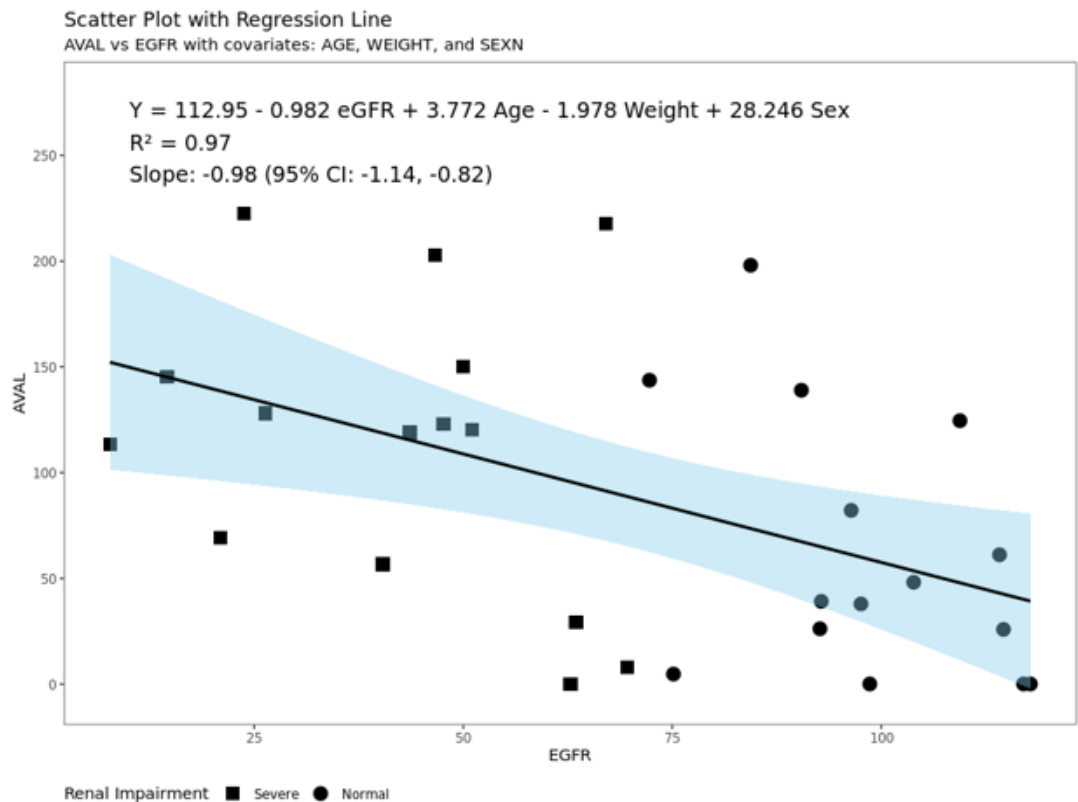


dataframe pkdata contains the following variables:
'AVAL'(type:numeric); 'AGE'(type:numeric); 'WEIGHT'(type:numeric)
'SEXN'(type:numeric); 'RFGROUP'(type:character); 'EGFRN'(type:numeric)
Create a R graph based on pkdata, y var is AVAL, x var is EGFRN.
Add scatter plot and a regression line with 95%CI band.

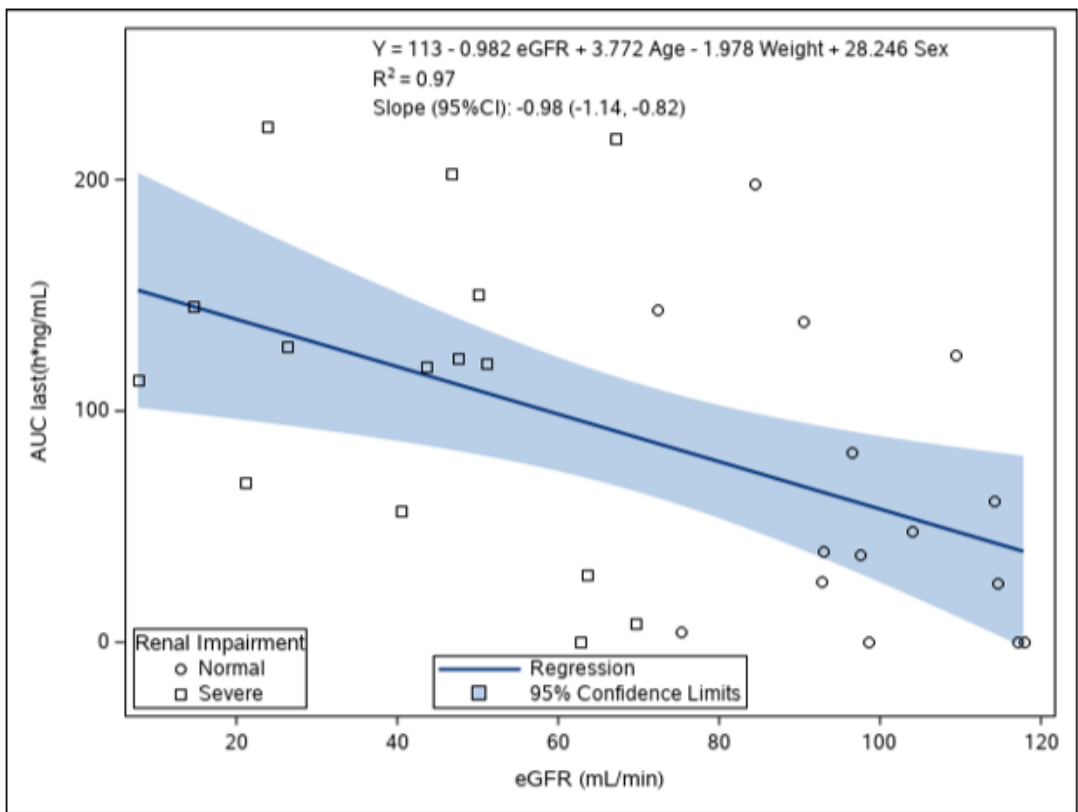
Group scatter shape by RFGROUP, 'Severe' to square, 'Normal' to circle,
set the legend title to 'Renal Impairment', put legend at bottom.
Change the band color to skyblue, theme to theme_test().

Add annotation to the graph include:
formulation of the regression model AVAL as Y, EGFRN, AGE, WEIGHT and
SEXN as covariates, with the coefficients,
R square of the regression model,
Slope of EGFRN and 95%CI.

QC BY R



PRODUCTION BY SAS



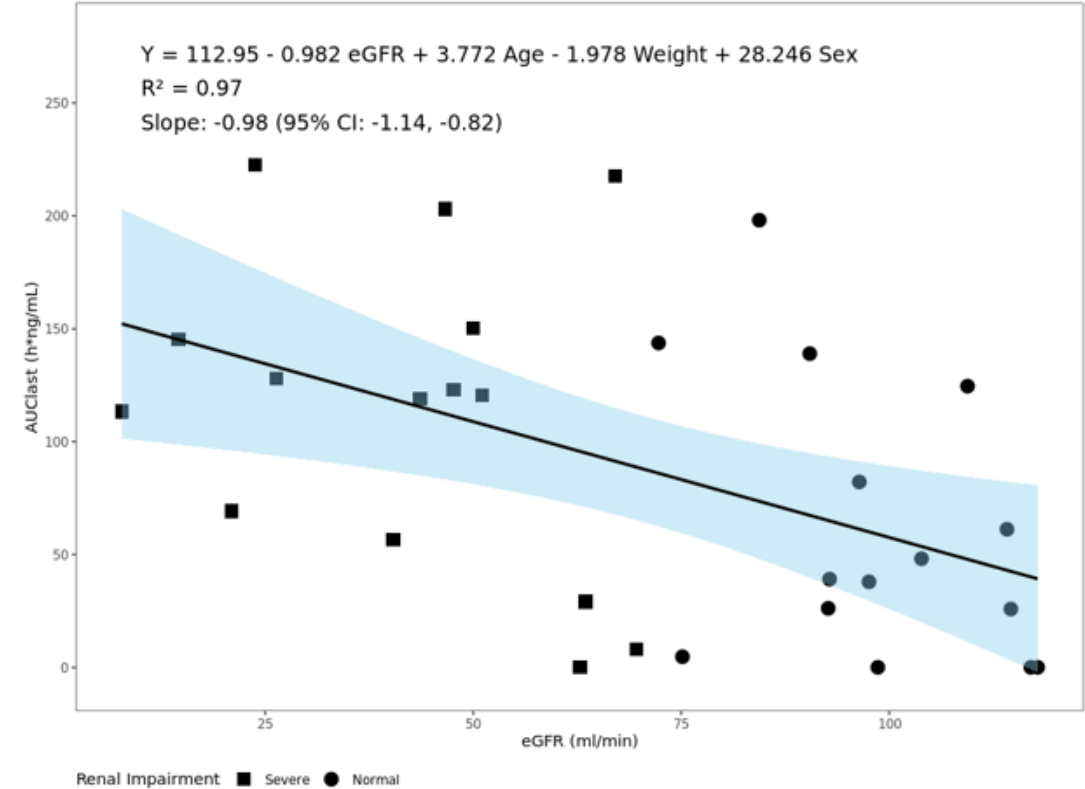
dataframe pkdata contains the following variables:
'AVAL'(type:numeric);'AGE'(type:numeric);'WEIGHT'(type:numeric)
'SEXN'(type:numeric);'RFGROUP'(type:character);'EGFRN'(type:numeric)
Create a R graph based on pkdata, y var is AVAL, x var is EGFRN.
Add scatter plot and a regression line with 95%CI band.

Group scatter shape by RFGROUP, 'Severe' to square, 'Normal' to circle,
set the legend title to 'Renal Impairment', put legend at bottom.
Change the band color to skyblue, theme to theme_test().

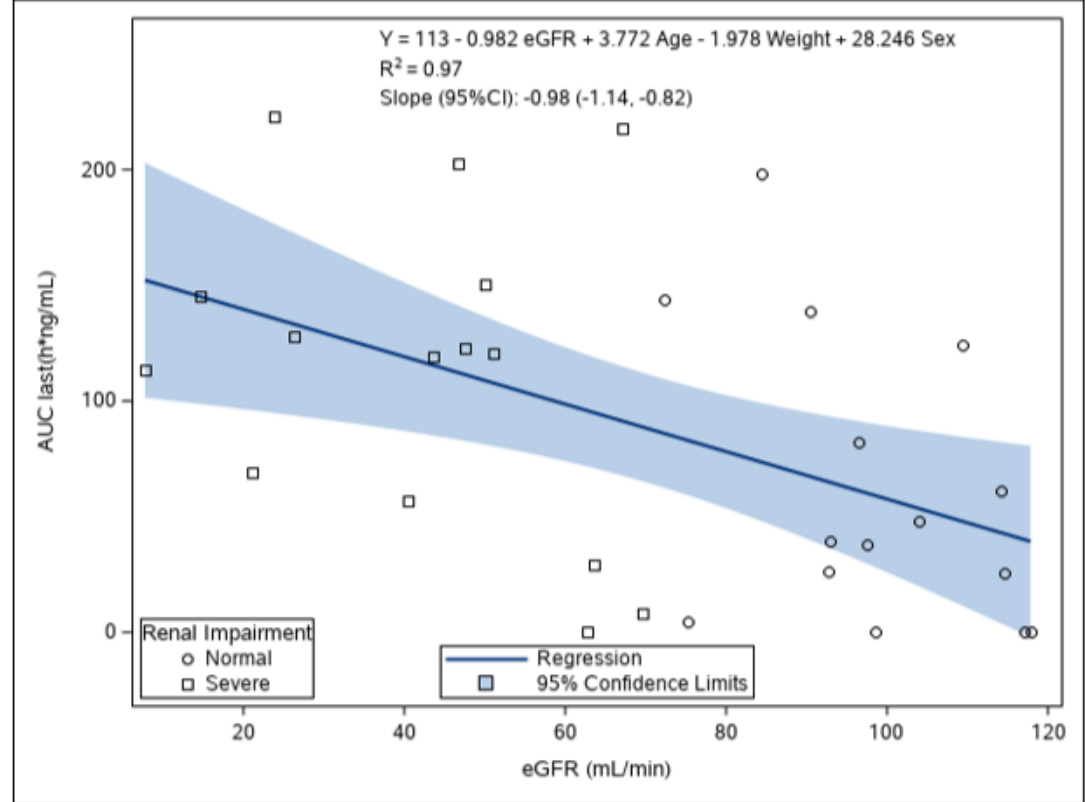
Add annotation to the graph include:
formulation of the regression model AVAL as Y, EGFRN, AGE, WEIGHT and
SEXN as covariates, with the coefficients,
R square of the regression model,
Slope of EGFRN and 95%CI.

Set ymax to 280 and put the annotations on the top left.
For the formulation if '+' a negative number, then replace by '-',
Update 'AVAL' to 'Y', 'EGFRN' to 'eGFR', 'AGE' to 'Age', 'WEIGHT' to
'Weight', 'SEXN' to 'Sex'.
Remove ' of EGFRN' from slope.

QC BY R



PRODUCTION BY SAS



dataframe pkdata contains the following variables:
'AVAL'(type:numeric);'AGE'(type:numeric);'WEIGHT'(type:numeric)
'SEXN'(type:numeric);'RFGROUP'(type:character);'EGFRN'(type:numeric)
Create a R graph based on pkdata, y var is AVAL, x var is EGFRN.
Add scatter plot and a regression line with 95%CI band.

Group scatter shape by RFGROUP, 'Severe' to square, 'Normal' to circle,
set the legend title to 'Renal Impairment', put legend at bottom.
Change the band color to skyblue, theme to theme_test().

Add annotation to the graph include:
formulation of the regression model AVAL as Y, EGFRN, AGE, WEIGHT and
SEXN as covariates, with the coefficients,
R square of the regression model,
Slope of EGFRN and 95%CI.

Set ymax to 280 and put the annotations on the top left.
For the formulation if '+' a negative number, then replace by '-',
Update 'AVAL' to 'Y', 'EGFRN' to 'eGFR', 'AGE' to 'Age', 'WEIGHT' to
'Weight', 'SEXN' to 'Sex'.
Remove ' of EGFRN' from slope.

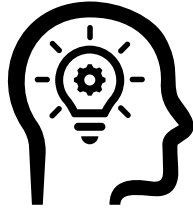
Remove title and subtitle, set Y label as 'AUClast(h*ng/mL)',
set X label as 'eGFR (ml/min)'.

TIPS FOR STATISTICAL PROGRAMMERS IN AI ERA



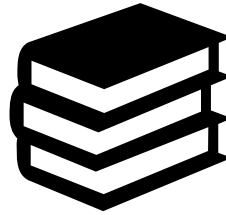
Embrace AI Tools

Collaborate with AI systems to enhance the depth and breadth of data analysis



Innovative Thinking

Seek innovative ways to apply the AI technologies to existing processes to improve efficiency



Continuous Learning



Enhance Communication Skills



Strengthen Domain Knowledge

Working as a statistical programmer during the AI era, could you provide me with some tips to ensure I remain valuable and secure in my job?

Here are some suggestions:

1. Embrace AI Tools
2. Innovative Thinking
3. Continuous Learning
4. Enhance communication Skills
5. Strengthen Domain Knowledge

By following these strategies, you can maintain your relevance and competitiveness in the AI era, becoming an indispensable member of your team.

Please elaborate on each point and provide examples.

Certainly! Please check the examples of each point.

Filename: qsac→sfqsa

↑ Name	Ext
↑ [..]	
gqsac01as1	R
gqsac01as1b	R
gqsac01as2	R
lqsac01s1	sas
lqsac01s1b	sas
lqsac01s2	sas
qc_tqsac01as1	R
qc_tqsac01as1b	R
qc_tqsac01as2	R
qcgqsacs1	r
qcgqsacs1b	r
qcgqsacs2	r
Rename Files Batch bat	

```
@echo off
setlocal enabledelayedexpansion

:: Set the folder path to process
:: By default, it's set to the current directory
:: You can change this to a specific path if needed
set "folder=%cd%"

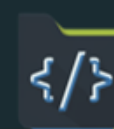
:: Loop through .r, .R, and .sas files in the folder
for %%F in ("%folder%\*.r" "%folder%\*.R" "%folder%\*.sas") do (
    :: Get the current file name
    set "oldname=%%~nxF"
    :: Create new file name by replacing "qsac" with "sfqsa"
    set "newname=!oldname:qsac=sfqsa!"

    :: Check if the file name has changed
    if not "!oldname!"=="!newname!" (
        :: Rename the file
        ren "%%F" "!newname!"
        :: Display the renaming action
        echo Renamed: !oldname! to !newname!
    )
)

:: Indicate that the process is complete
echo Done.
:: Pause to keep the console window open
pause
```

I need a .bat file that will replace "qsac" with "sfqsa" in the names of all files with .r, .R, or .sas extensions in a specific folder.

Certainly! Please check the code



Rename files batch

[Click to preview](#)

Put the .bat file under the target folder and double click to rename files.

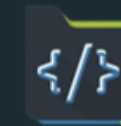
Filename: qsac→sfqsa

↑ Name	Ext
↑ [..]	
gqsac01as1	R
gqsac01as1b	R
gqsac01as2	R
lqsac01s1	sas
lqsac01s1b	sas
lqsac01s2	sas
qc_tqsac01as1	R
qc_tqsac01as1b	R
qc_tqsac01as2	R
qcgqsacs1	r
qcgqsacs1b	r
qcgqsacs2	r
Rename Files Batch bat	

↑ Name	Ext
↑ [..]	
gsfqsa01as1	R
gsfqsa01as1b	R
gsfqsa01as2	R
lsfqsa01s1	sas
lsfqsa01s1b	sas
lsfqsa01s2	sas
qc_tsfqsa01as1	R
qc_tsfqsa01as1b	R
qc_tsfqsa01as2	R
qcgsfqsas1	r
qcgsfqsas1b	r
qcgsfqsas2	r

I need a .bat file that will replace "qsac" with "sfqsa" in the names of all files with .r, .R, or .sas extensions in a specific folder.

Certainly! Please check the code



Rename files batch

Click to preview

Put the .bat file under the target folder and double click to rename files.

Filename: qsac→sfqsa

↑ Name	Ext
↑ [..]	
gqsac01as1	R
gqsac01as1b	R
gqsac01as2	R
lqsac01s1	sas
lqsac01s1b	sas
lqsac01s2	sas
qc_tqsac01as1	R
qc_tqsac01as1b	R
qc_tqsac01as2	R
qcgqsacs1	r
qcgqsacs1b	r
qcgqsacs2	r
Rename Files Batch bat	

Content: qsac

```
# Program Name : gqsac01as1.R
# Output       : gqsac01as1.rtf
#####

# Load the Required Libraries
library(tidyr)
library(dplyr)
library(ggplot2)

# define the ID of TLGs
tblid <- "GQSAC01AS1"
```

```
# Set the input and output directories
input_dir <- paste0(mypath,"old")
output_dir <- paste0(mypath,"new")

# Create the output directory if it doesn't exist
if (!dir.exists(output_dir)) {
  dir.create(output_dir)
}

# Get a list of all files in the input directory
files <- list.files(input_dir,
                    pattern = "\\.[r|R|\\.sas$]",
                    full.names = TRUE)

# Loop through each file and replace the text
for (file in files) {
  # Read the file content
  content <- readLines(file, warn = FALSE)

  # Replace the text (case sensitive)
  content <- gsub("qsac", "sfqsa", content)
  content <- gsub("QSAC", "SFQSA", content)

  # Get the new file name
  new_filename <- gsub("qsac", "sfqsa", basename(file))
  new_file_path <- file.path(output_dir, new_filename)

  # Write the modified content to the new file
  writelines(content, new_file_path)
}
```

I need a .bat file that will replace "qsac" with "sfqsa" in the names of all files with .r, .R, or .sas extensions in a specific folder.

Certainly! Please check the code



Rename files batch

[Click to preview](#)

Put the .bat file under the target folder and double click to rename files.

Create R code to replace filenames, also replace 'qsac' with 'sfqsa' and 'QSAC' with 'SFQSA' in file content.

Filename: qsac→sfqsa

↑ Name	Ext
↑ [..]	
gqsac01as1	R
gqsac01as1b	R
gqsac01as2	R
lqsac01s1	sas
lqsac01s1b	sas
lqsac01s2	sas
qc_tqsac01as1	R
qc_tqsac01as1b	R
qc_tqsac01as2	R
qcgqsacs1	r
qcgqsacs1b	r
qcgqsacs2	r
Rename Files Batch bat	

↑ Name	Ext
↑ [..]	
gsfqsa01as1	R
gsfqsa01as1b	R
gsfqsa01as2	R
lsfqsa01s1	sas
lsfqsa01s1b	sas
lsfqsa01s2	sas
qc_tsfqsa01as1	R
qc_tsfqsa01as1b	R
qc_tsfqsa01as2	R
qcgsfqsas1	r
qcgsfqsas1b	r
qcgsfqsas2	r

Content: qsac→sfqsa; QSAC→SFQSA

```
# Program Name : gqsac01as1.R
# Output       : gqsac01as1.rtf
#####
```

```
# Load the Required Libraries
library(tidyr)
library(dplyr)
library(ggplot2)
```

```
# define the ID of TLGs
tblid <- "GQSAC01AS1"
```

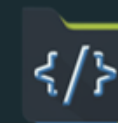
```
# Program Name : gsfaqsa01as1.R
# Output       : gsfaqsa01as1.rtf
#####
```

```
# Load the Required Libraries
library(tidyr)
library(dplyr)
library(ggplot2)
```

```
# define the ID of TLGs
tblid <- "GSFAQSA01AS1"
```

I need a .bat file that will replace "qsac" with "sfqsa" in the names of all files with .r, .R, or .sas extensions in a specific folder.

Certainly! Please check the code



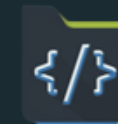
Rename files batch

[Click to preview](#)

Put the .bat file under the target folder and double click to rename files.

Create R code to replace filenames, also replace 'qsac' with 'sfqsa' and 'QSAC' with 'SFQSA' in file content.

Certainly! Please check the code



Replace filename and content

[Click to preview](#)

 Process Files Results

Directory Settings

Input Directory:

Output Directory:

Paths will be automatically normalized to use forward slashes.

Replacement Settings

Original Text:

Replacement Text:

[+ Add Replacement](#)

	original	replacement
1	qsac	sfqsa
2	QSAC	SFQSA

[▶ Process Files](#)

Create a Shiny app based on the code. Input include the input path, output path, original text and corresponding replacement text (multiple pairs)

Certainly! Please check the code.

**Replace app**[Click to preview](#)

Directory Settings

Input Directory:

Output Directory:

Paths will be automatically normalized to use forward slashes.

Replacement Settings

Original Text:

☒ Case sensitive☐ Include filename

Replacement Text:

[+ Add Replacement](#)

original



replacement



No data available in table

[▶ Process Files](#)

Create a Shiny app based on the code. Input include the input path, output path, original text and corresponding replacement text (multiple pairs)

Certainly! Please check the code.

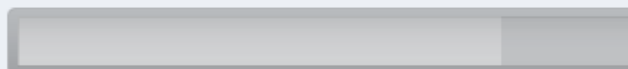
**Replace app**[Click to preview](#)

Add two checkboxes below the "Original text" box:

The first checkbox is labeled "Case sensitive". It should be checked by default. If this box is checked, the text matching will be case-sensitive.

The second checkbox is labeled "Include filename". It should be unchecked by default. If this box is not checked, only the content will be matched and replaced.

Certainly! Two checkbox added.

**Replace app**[Click to preview](#)



Directory Settings

Input Directory:

\adr\PDEV\jsong67\pharma\test_compound\phuse_sde_2024\dbr_phi

Output Directory:

\adr\PDEV\jsong67\pharma\test_compound\phuse_sde_2024\dbr_phi

Process Files

Clear Replacements

Replacement Settings

Original Text:

Replacement Text:

☐ Use Regex

☒ Case Sensitive

☐ Replace Filename

☒ Replace Content

Add Replacement

Replacement Pairs

Show 10 entries

Search:

	Original	Replacement	Regex	Case Sens.	File	Content
1	[[tlg][a-zA-Z0-9]*)s1([a-zA-Z0-9]?)	\1s2\2	true	true	true	true
2	[[TLG][a-zA-Z0-9]*)S1([a-zA-Z0-9]?)	\1S2\2	true	true	true	true
3	COREP2S1	COREP2S2	false	true	false	true
4	SESSION 1	SESSION 2	false	true	false	true
5	Session 1	Session 2	false	true	false	true
6	"A", "B", "C", "D", "E", "F"	"G", "H", "I", "J", "K", "L"	false	true	false	true

Add another two checkboxes:
The first checkbox is labeled "Use Regex", default is false, if it's true, then enable regex for both original and replacement text.
Separate 'include filename' into two checkboxes, 'Replace Filename' (default: false) and 'Replace Content' (default: true)
Create another box to display these replacement information.
Add a clear button.

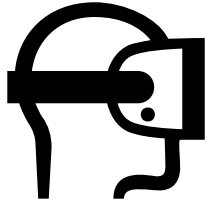
Certainly! Two checkbox added.



Replace app

Click to preview

TIPS FOR STATISTICAL PROGRAMMERS IN AI ERA



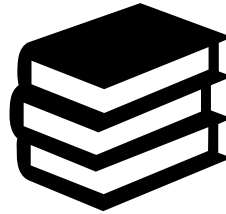
Embrace AI Tools

Collaborate with AI systems to enhance the depth and breadth of data analysis



Innovative Thinking

Seek innovative ways to apply the AI technologies to existing processes to improve efficiency



Continuous Learning

Keep updating your skills in programming languages like R and Python, also AI



Enhance Communication Skills



Strengthen Domain Knowledge

Working as a statistical programmer during the AI era, could you provide me with some tips to ensure I remain valuable and secure in my job?

Here are some suggestions:

1. Embrace AI Tools
2. Innovative Thinking
3. Continuous Learning
4. Enhance communication Skills
5. Strengthen Domain Knowledge

By following these strategies, you can maintain your relevance and competitiveness in the AI era, becoming an indispensable member of your team.

Please elaborate on each point and provide examples.

Certainly! Please check the examples of each point.

I want to learn the ggplot2 package in R. I have a basic understanding of R, so please create a 4-week study plan for me.



4-Week ggplot2 Learning Plan

Week 1: Introduction and Basic Plotting

Objective: Understand ggplot2 basics, including concepts and basic plots.

Day 1: Introduction to ggplot2

Day 2: Basic Scatter Plots

Day 3: Customizing Plots

Day 4: Bar Plots and Histograms

Day 5: Saving and Exporting

Week 2: Aesthetic Mappings and Customizations

Objective: Master aesthetic customizations and understand mapping data.

Day 1: Aesthetic Mappings

Day 2: Enhanced Plots

Day 3: Complex Charts

Day 4: Colors and Scales

Day 5: Coordinate Systems

Day 3: Complex Charts
Day 4: Colors and Scales
Day 5: Coordinate Systems

Week 3: Faceting, Themes, and Extensions

Objective: Learn to use faceting, themes, and package extensions.

Day 1: Faceting
Day 2: Themes
Day 3: Theme Elements
Day 4: Extensions
Day 5: Theme Practice

Week 4: Advanced Techniques and Integration

Objective: Apply advanced techniques and integrate with other R packages.

Day 1: Complex Visualizations
Day 2: Package Integration
Day 3: Interactive Elements
Day 4: Review
Day 5: Final Project

[More details about Week 1, Day 3 and 4](#)



Detailed ggplot2 Learning Plan

Week 1: Introduction and Basic Plotting

Objective: Understand ggplot2 basics, including concepts and basic plots.

Day 3: Customizing Plots

- ◆ Understanding the layers concept
- ◆ Working with colors and titles
- ◆ Basic geoms: `geom_point()`, `geom_line()`

Day 4: Bar Plots and Histograms

- ◆ Creating bar plots with `geom_bar()`
- ◆ Building histograms with `geom_histogram()`
- ◆ Understanding distributions

Start the learning of week 1 day 4 as a demo. You should give me introduction, syntax, examples and exercises. Start with the first bullet point. Deliver as .rmd

Start the learning of week 1 day 4 as a demo. You should give me introduction, syntax, examples and exercises. Start with the first bullet point. Deliver as .rmd

I'll create a comprehensive lesson for Week 1, Day 4, focusing on bar plots.



ggplot2 Tutorial: Bar Plots (RMarkdown)

[Click to preview](#)

This lesson covers the first part of bar plots in detail. Would you like to proceed with the histogram portion next, or would you like to practice with these concepts first?

Proceed with histogram. Create the RMarkdown file in Shiny presentation format.

I'll create a comprehensive lesson for Week 1, Day 4, focusing on Histograms.



ggplot2 Tutorial: Histograms (Shiny Presentation)

[Click to preview](#)

Would you like me to:

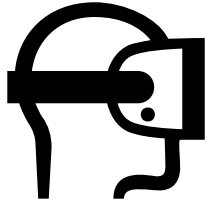
- ◆ Include different transition effects?
- ◆ Add more keyboard shortcuts?
- ◆ Adjust the sizing of specific elements?

I'll draw swim plot in an oncology clinical trial. Give me a learning plan for ggplot2 in R and other things needed for a swim plot. Summarize in a mindmap.

Please see the mindmap for swim plot learning.

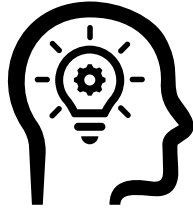


TIPS FOR STATISTICAL PROGRAMMERS IN AI ERA



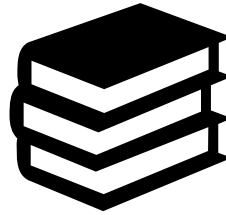
Embrace AI Tools

Collaborate with AI systems to enhance the depth and breadth of data analysis



Innovative Thinking

Seek innovative ways to apply the AI technologies to existing processes to improve efficiency



Continuous Learning

Keep updating your skills in programming languages like R and Python, also AI



Enhance Communication Skills

Improve communication skills to thrive in cross-functional team environments



Strengthen Domain Knowledge

Working as a statistical programmer during the AI era, could you provide me with some tips to ensure I remain valuable and secure in my job?

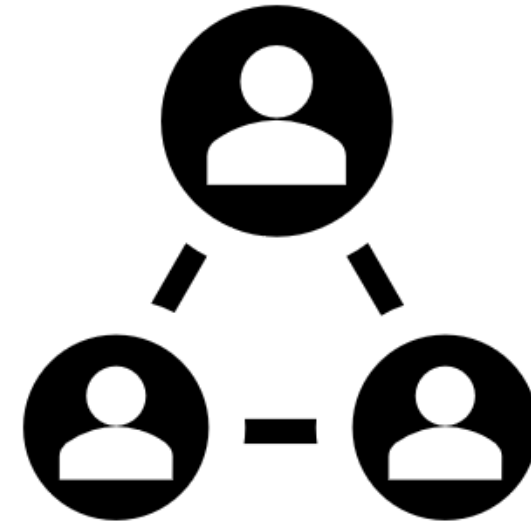
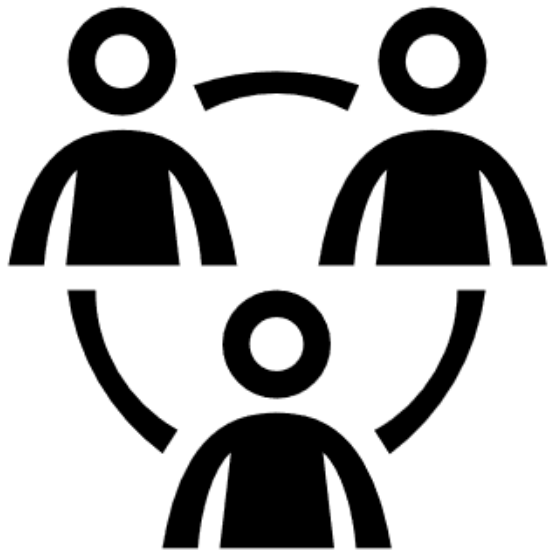
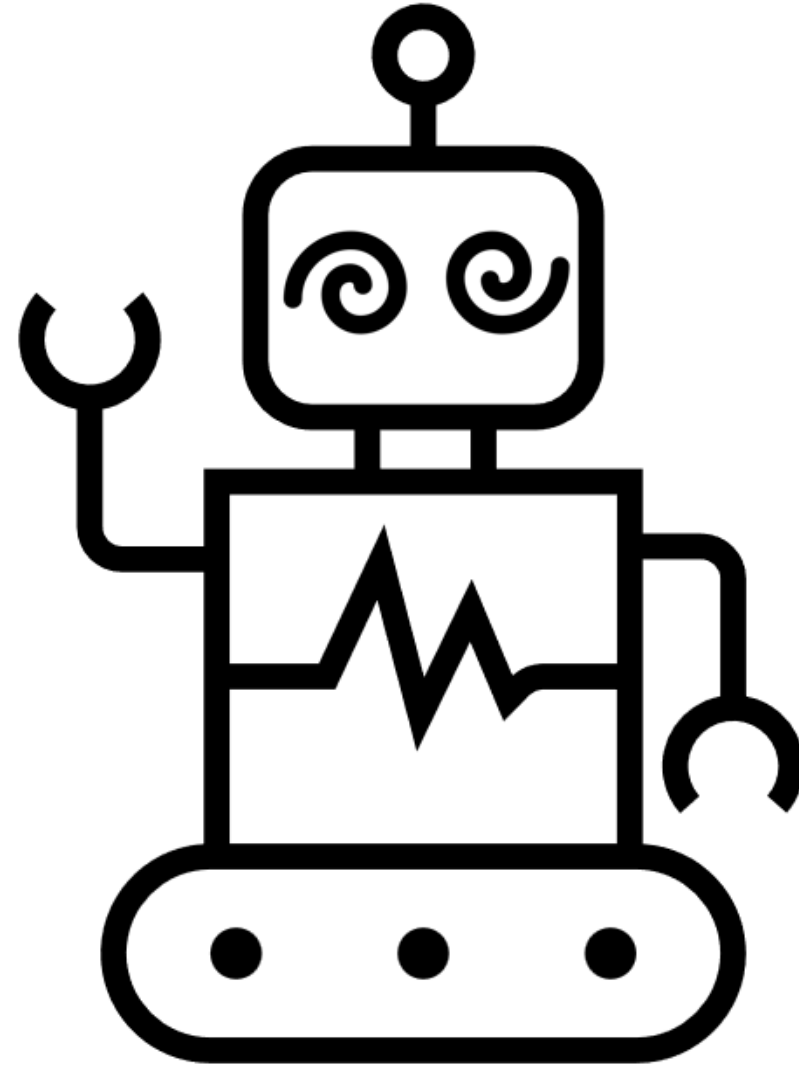
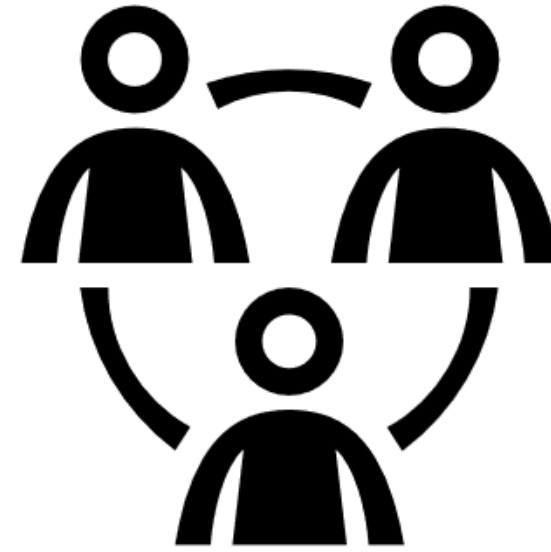
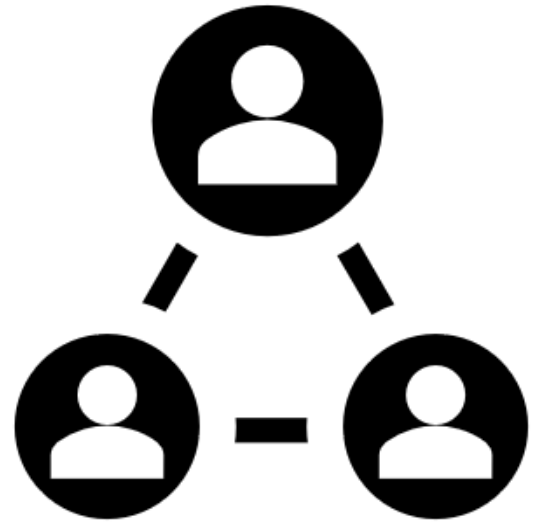
Here are some suggestions:

1. Embrace AI Tools
2. Innovative Thinking
3. Continuous Learning
4. Enhance communication Skills
5. Strengthen Domain Knowledge

By following these strategies, you can maintain your relevance and competitiveness in the AI era, becoming an indispensable member of your team.

Please elaborate on each point and provide examples.

Certainly! Please check the examples of each point.



Is AI good at handling complex cross-functional communication?

AI can be a useful tool for enhancing cross-functional communication, though it may not entirely match the efficacy of human communicators in complex interactions.

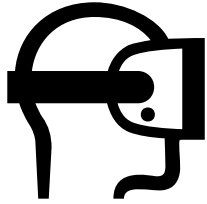
Why?

Reasons include:

1. Contextual Understanding
2. Context Sensitivity
3. Creative Problem Solving
4. Emotions and Interpersonal Relationships
5. Decision-Making and Judgment
6. Dynamic Adaptability

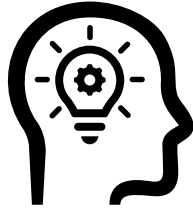
AI aids in data organization and analysis, but humans are essential for personal interactions and complex decisions.

TIPS FOR STATISTICAL PROGRAMMERS IN AI ERA



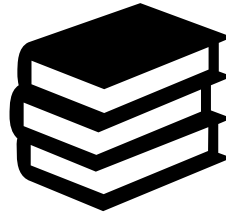
Embrace AI Tools

Collaborate with AI systems to enhance the depth and breadth of data analysis



Innovative Thinking

Seek innovative ways to apply the AI technologies to existing processes to improve efficiency



Continuous Learning

Keep updating your skills in programming languages like R and Python, also AI



Enhance Communication Skills

Improve communication skills to thrive in cross-functional team environments



Strengthen Domain Knowledge

Stay informed about industry trends and new technologies by attending conferences and workshops

Working as a statistical programmer during the AI era, could you provide me with some tips to ensure I remain valuable and secure in my job?

Here are some suggestions:

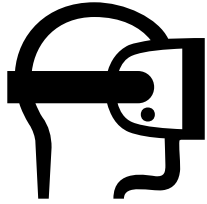
1. Embrace AI Tools
2. Innovative Thinking
3. Continuous Learning
4. Enhance communication Skills
5. Strengthen Domain Knowledge

By following these strategies, you can maintain your relevance and competitiveness in the AI era, becoming an indispensable member of your team.

Please elaborate on each point and provide examples.

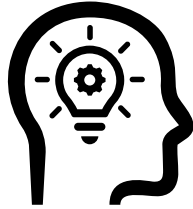
Certainly! Please check the examples of each point.

TIPS FOR STATISTICAL PROGRAMMERS IN AI ERA



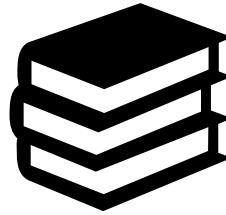
Embrace AI Tools

Collaborate with AI systems to enhance the depth and breadth of data analysis



Innovative Thinking

Seek innovative ways to apply the AI technologies to existing processes to improve efficiency



Continuous Learning

Keep updating your skills in programming languages like R and Python, also AI



Enhance Communication Skills

Improve communication skills to thrive in cross-functional team environments



Strengthen Domain Knowledge

Stay informed about industry trends and new technologies by attending conferences and workshops

Working as a statistical programmer during the AI era, could you provide me with some tips to ensure I remain valuable and secure in my job?

Here are some suggestions:

1. Embrace AI Tools
2. Innovative Thinking
3. Continuous Learning
4. Enhance communication Skills
5. Strengthen Domain Knowledge

By following these strategies, you can maintain your relevance and competitiveness in the AI era, becoming an indispensable member of your team.

Please elaborate on each point and provide examples.

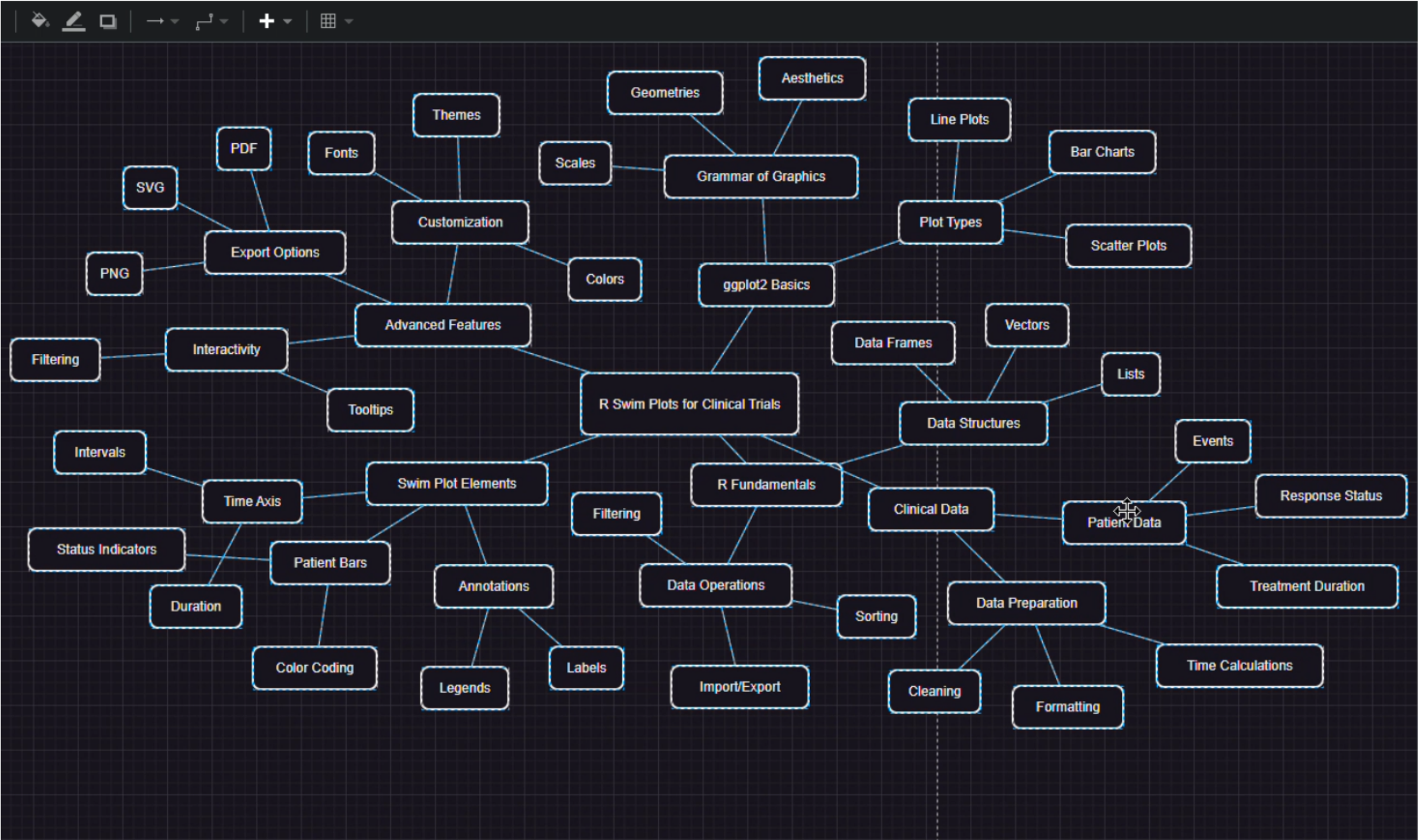
Certainly! Please check the examples of each point.

Start using AI now and unleash your imagination to explore all possibilities

Titles

- **"How to Keep Your Job When AI Wants It Too!"**
- **"AI: Your New Co-Worker or Job Stealer?"**
- **"Surviving the AI Invasion: Tips for Programmers"**
- **"How to Outsmart AI and Keep Your Programming Gig!"**
- **"AI is Here: How to Make It Your Work Buddy, Not Your Boss!"**
- **"AI: Friend or Foe? Keeping Your Job in the Balance!"**
- **"How to Train Your AI: Keeping Your Job Safe and Sound!"**
- **"Don't Panic! How to Co-Exist with AI and Keep Your Job"**
- **"AI is Watching: How to Stay Employed in the Age of Robots!"**
- **"Job Security in the Age of AI: Tips for the Witty Programmer!"**

Start using AI now and unleash your imagination to explore all possibilities



Start using AI now and unleash your imagination to explore all possibilities

phuse-share

phuse.global

Single Day Events

PHUSE SDE 2024 停车位登记

PHUSE SDE 2024 Parking Registration

停车位登记 | PARKING REGISTRATION

姓名 | Name

邮箱 | Email

提交登记 | Submit Registration

登记成功! | Registration successful!

Realtime Database

https://parking-registration-b05c6-defau

https://parking-registration-b05c6-default-
registrations
-0A2knzxHp2hPE6yMq2q
-0A2m4aGFhqBsdqKArxb
-0A91eS9TSmGE9n1t5P-
email: "jsong67@its.jnj.com"
name: "Song Jiaqi"
timestamp: 1729966548895

Start using AI now and unleash your imagination to explore all possibilities

AI IS OUR SUPERPOWER

With Great Power Comes Great Responsibility

PATIENTS ARE WAITING

THANK YOU Q&A



**The Global Healthcare
Data Science Community**

Contact Channels

📞 UK +44 1843 609600
✉ office@phuse.global
🌐 phuse.global

Social Media

🐦 [@phusetwitta](https://twitter.com/phusetwitta)
📘 [/phusebook](https://facebook.com/phusebook)
▶ [/phusetube](https://youtube.com/phusetube)
🌐 [/company/phuse](https://linkedin.com/company/phuse)