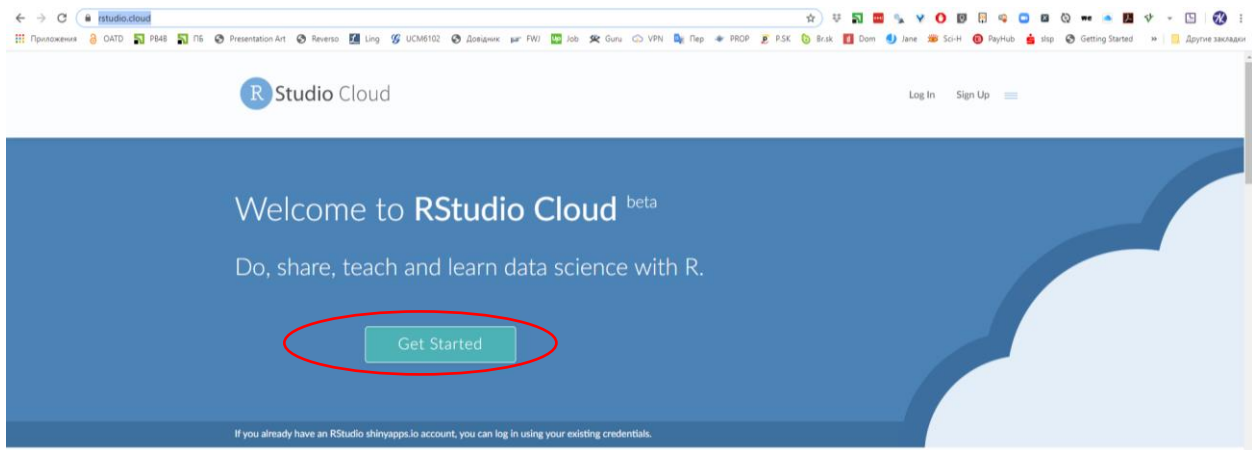
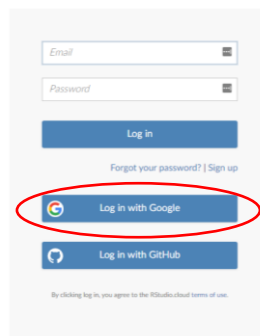


РЕЄСТРАЦІЯ В ХМАРНОМУ СЕРВІСІ RSTUDIO

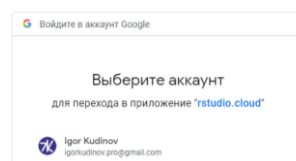
1. Запустити браузер та перейти за адресою <https://rstudio.cloud/>.
2. Натиснути на кнопку «Get Started» («Почати»).



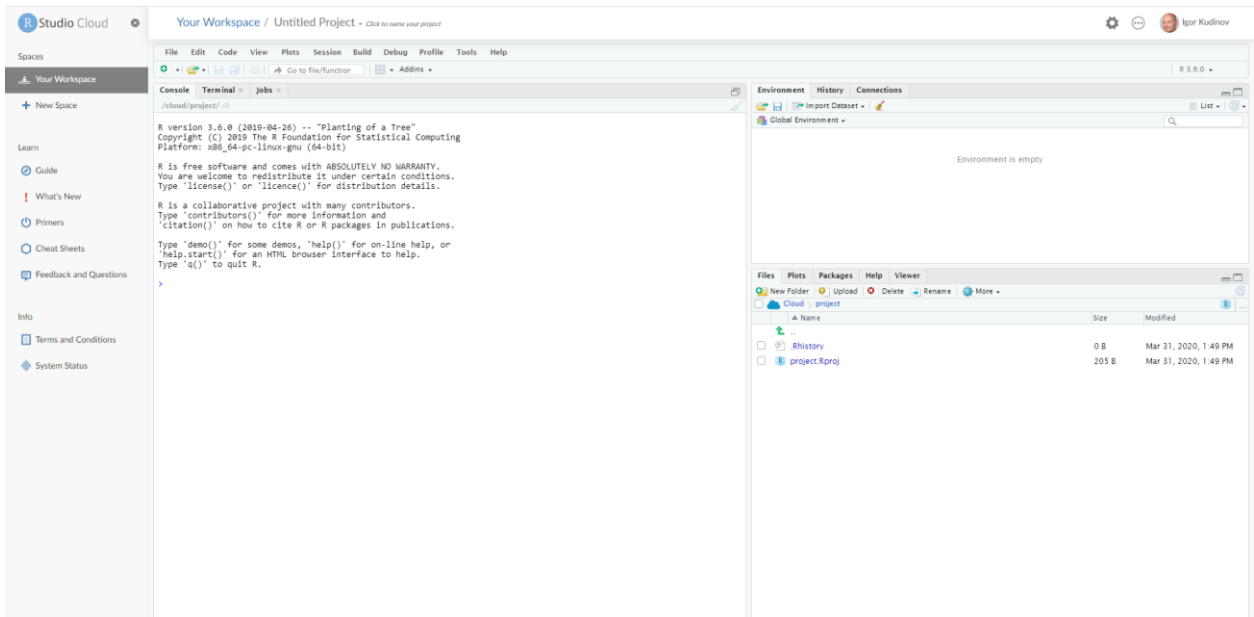
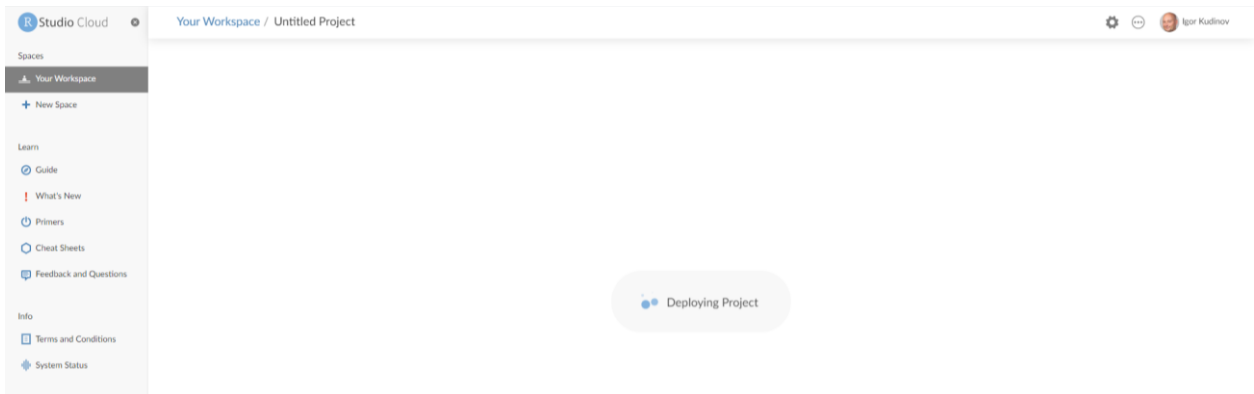
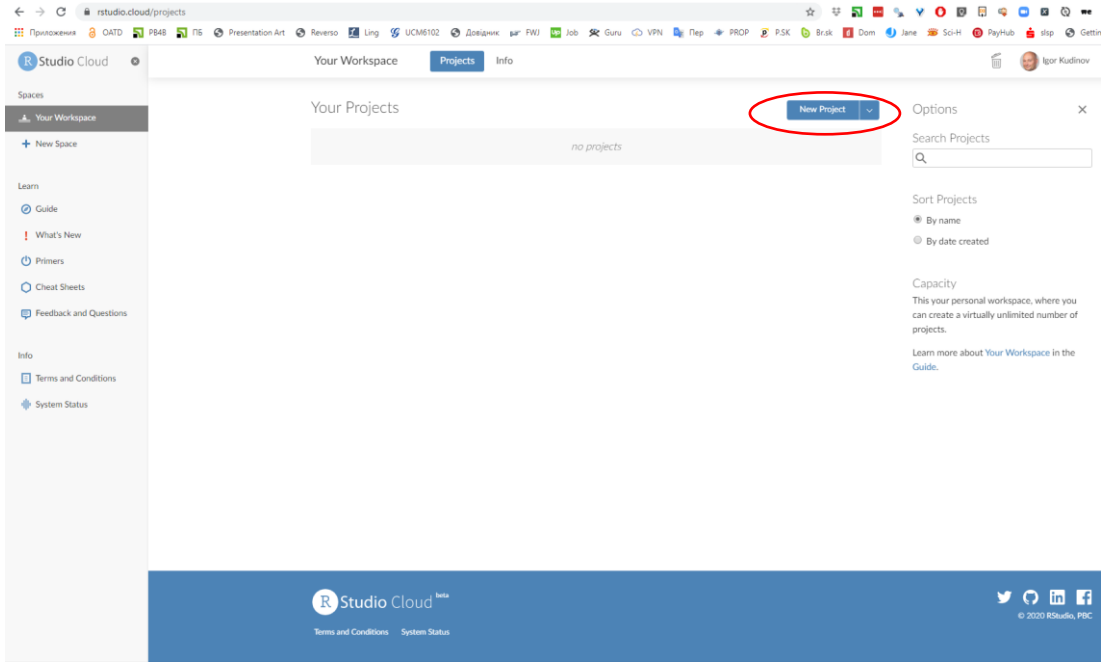
3. Для реєстрації в системі краще використати дані вашої поштової скриньки gmail (згадайте свій логін та пароль, якщо пароль забули – відновіть його). Натисніть на кнопку «Log in with Google» («Увійти за допомогою Google»).



4. Оберіть ваш акаунт для входу та підтвердіть право використання даних вашої скриньки в системі rstudio.cloud.



5. Після завантаження віртуального робочого місця, створіть новий проект:



Studio Cloud Your Workspace / Untitled Project

File Edit Code View Plots Session Build Debug Profile Tools Help

Console Terminal Jobs

```

R version 3.6.0 (2019-04-26) -- "Planting of a Tree"
Copyright (C) 2019 The R Foundation for Statistical Computing
Platform: x86_64-pc-linux-gnu (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

> install.packages("swirl")

```

Environment History Connections

Global Environment

Environment is empty

Files Plots Packages Help Viewer

Name	Size	Modified
..		
Rhistory	0 B	Mar 31, 2020, 1:49 PM
project.Rproj	205 B	Mar 31, 2020, 1:49 PM

Studio Cloud Your Workspace / Untitled Project

File Edit Code View Plots Session Build Debug Profile Tools Help

Console Terminal Jobs

```

* DONE (ng)
* Installing "binary" package 'rlang' ...
* DONE (rlang)
* Installing "binary" package 'withr' ...
* DONE (withr)
* Installing "binary" package 'curl' ...
* DONE (curl)
* Installing "binary" package 'jsonlite' ...
* DONE (jsonlite)
* Installing "binary" package 'mime' ...
* DONE (mime)
* Installing "binary" package 'bitops' ...
* DONE (bitops)
* Installing "binary" package 'yaml' ...
* DONE (yaml)
* Installing "binary" package 'digest' ...
* DONE (digest)
* Installing "binary" package 'processx' ...
* DONE (processx)
* Installing "binary" package 'rprojroot' ...
* DONE (rprojroot)
* Installing "binary" package 'askpass' ...
* DONE (askpass)
* Installing "binary" package 'cli' ...
* DONE (cli)
* Installing "binary" package 'ellipsis' ...
* DONE (ellipsis)
* Installing "binary" package 'stringr' ...
* DONE (stringr)
* Installing "binary" package 'Rcurl' ...
* DONE (Rcurl)
* Installing "binary" package 'callr' ...
* DONE (callr)
* Installing "binary" package 'desc' ...
* DONE (desc)
* Installing "binary" package 'openssl' ...
* DONE (openssl)
* Installing "binary" package 'pkgbuild' ...
* DONE (pkgbuild)
* Installing "binary" package 'httr' ...
* DONE (httr)
* Installing "binary" package 'pkgload' ...
* DONE (pkgload)
* Installing "binary" package 'testthat' ...
* DONE (testthat)
* Installing "binary" package 'swirl' ...
* DONE (swirl)

The downloaded source packages are in
  '/tmp/RtmpIwVMB/downloaded_packages'

```

Environment History Connections

Global Environment

Environment is empty

Files Plots Packages Help Viewer

Name	Size	Modified
..		
Rhistory	0 B	Mar 31, 2020, 1:49 PM
project.Rproj	205 B	Mar 31, 2020, 1:49 PM

Studio Cloud Your Workspace / KIA

File Edit Code View Plots Session Build Debug Profile Tools Help

Console Terminal Jobs

```

* DONE (ng)
* Installing "binary" package 'rlang' ...
* DONE (rlang)
* Installing "binary" package 'withr' ...
* DONE (withr)
* Installing "binary" package 'curl' ...
* DONE (curl)
* Installing "binary" package 'jsonlite' ...
* DONE (jsonlite)
* Installing "binary" package 'mime' ...
* DONE (mime)
* Installing "binary" package 'bitops' ...
* DONE (bitops)
* Installing "binary" package 'yaml' ...
* DONE (yaml)
* Installing "binary" package 'digest' ...
* DONE (digest)
* Installing "binary" package 'processx' ...
* DONE (processx)
* Installing "binary" package 'rprojroot' ...
* DONE (rprojroot)
* Installing "binary" package 'askpass' ...
* DONE (askpass)
* Installing "binary" package 'cli' ...
* DONE (cli)
* Installing "binary" package 'ellipsis' ...
* DONE (ellipsis)
* Installing "binary" package 'stringr' ...
* DONE (stringr)
* Installing "binary" package 'Rcurl' ...
* DONE (Rcurl)
* Installing "binary" package 'callr' ...
* DONE (callr)
* Installing "binary" package 'desc' ...
* DONE (desc)
* Installing "binary" package 'openssl' ...
* DONE (openssl)
* Installing "binary" package 'pkgbuild' ...
* DONE (pkgbuild)
* Installing "binary" package 'httr' ...
* DONE (httr)
* Installing "binary" package 'pkgload' ...
* DONE (pkgload)
* Installing "binary" package 'testthat' ...
* DONE (testthat)
* Installing "binary" package 'swirl' ...
* DONE (swirl)

The downloaded source packages are in
  '/tmp/RtmpIwVMB/downloaded_packages'
> library("swirl")

```

Environment History Connections

Global Environment

Environment is empty

Files Plots Packages Help Viewer

Name	Size	Modified
..		
Rhistory	0 B	Mar 31, 2020, 1:49 PM
project.Rproj	205 B	Mar 31, 2020, 1:49 PM

The screenshot shows the RStudio Cloud interface for a workspace named 'KIA'. The terminal window displays the following output:

```
~/cloud/project/ ❯  
* DONE (curl)  
* Installing "binary" package 'jsonlite' ...  
* DONE (jsonlite)  
* Installing "binary" package 'mime' ...  
* DONE (mime)  
* Installing "binary" package 'bitops' ...  
* DONE (bitops)  
* Installing "binary" package 'yaml' ...  
* DONE (yaml)  
* Installing "binary" package 'digest' ...  
* DONE (digest)  
* Installing "binary" package 'processx' ...  
* DONE (processx)  
* Installing "binary" package 'rprojroot' ...  
* DONE (rprojroot)  
* Installing "binary" package 'askpass' ...  
* DONE (askpass)  
* Installing "binary" package 'cli' ...  
* DONE (cli)  
* Installing "binary" package 'ellipsis' ...  
* DONE (ellipsis)  
* Installing "binary" package 'stringr' ...  
* DONE (stringr)  
* Installing "binary" package 'rcurl' ...  
* DONE (rcurl)  
* Installing "binary" package 'callr' ...  
* DONE (callr)  
* Installing "binary" package 'desc' ...  
* DONE (desc)  
* Installing "binary" package 'openssl' ...  
* DONE (openssl)  
* Installing "binary" package 'pkgbuild' ...  
* DONE (pkgbuild)  
* Installing "binary" package 'httr' ...  
* DONE (httr)  
* Installing "binary" package 'pkgload' ...  
* DONE (pkgload)  
* Installing "binary" package 'testthat' ...  
* DONE (testthat)  
* Installing "binary" package 'swirl' ...  
* DONE (swirl)  
  
The downloaded source packages are in  
  /tmp/RtmptDvWB/downloaded_packages/  
> library(swirl)  
  
| HI! Type swirl() when you are ready to begin.  
> HI  
Error: object 'HI' not found  
>
```

The Environment pane shows 'Global Environment' with the message 'Environment is empty'. The Files pane shows a file browser with the following table:

Name	Size	Modified
..		
rhistory	0 B	Mar 31, 2020, 1:49 PM
project.Rproj	205 B	Mar 31, 2020, 1:49 PM

This screenshot is identical to the one above, showing the RStudio Cloud interface for workspace 'KIA'. The terminal window displays the same R package installation logs and error message. The Environment and Files panes also show the same state as in the first screenshot.

Studio Cloud Your Workspace / KIA

File Edit Code View Plots Session Build Debug Profile Tools Help

Console Terminal Jobs

```

/cloud/project/~/
* Installing "binary" package 'bitops' ...
* DONE (bitops)
* Installing "binary" package 'yaml' ...
* DONE (yaml)
* Installing "binary" package 'digest' ...
* DONE (digest)
* Installing "binary" package 'processx' ...
* DONE (processx)
* Installing "binary" package 'rprojroot' ...
* DONE (rprojroot)
* Installing "binary" package 'askpass' ...
* DONE (askpass)
* Installing "binary" package 'cli' ...
* DONE (cli)
* Installing "binary" package 'ellipsis' ...
* DONE (ellipsis)
* Installing "binary" package 'stringr' ...
* DONE (stringr)
* Installing "binary" package 'Rcurl' ...
* DONE (Rcurl)
* Installing "binary" package 'callr' ...
* DONE (callr)
* Installing "binary" package 'desc' ...
* DONE (desc)
* Installing "binary" package 'openssl' ...
* DONE (openssl)
* Installing "binary" package 'pkgbuild' ...
* DONE (pkgbuild)
* Installing "binary" package 'httr' ...
* DONE (httr)
* Installing "binary" package 'pkgload' ...
* DONE (pkgload)
* Installing "binary" package 'testthat' ...
* DONE (testthat)
* Installing "binary" package 'swirl' ...
* DONE (swirl)

The downloaded source packages are in
> library(swirl)

| Hi! Type swirl() when you are ready to begin.

> Hi
Error: object 'Hi' not found
> swirl()

| Welcome to swirl! Please sign in. If you've been here before, use the same name as you did then. If you are
new, call yourself something unique.

What shall I call you?

```

Environment History Connections

Global Environment -

Environment is empty

Files Plots Packages Help Viewer

Name	Size	Modified
rhistory	0 B	Mar 31, 2020, 1:49 PM
project.Rproj	205 B	Mar 31, 2020, 1:49 PM

Studio Cloud Your Workspace / KIA

File Edit Code View Plots Session Build Debug Profile Tools Help

Console Terminal Jobs

```

/cloud/project/~/
* Installing "binary" package 'bitops' ...
* DONE (bitops)
* Installing "binary" package 'yaml' ...
* DONE (yaml)
* Installing "binary" package 'digest' ...
* DONE (digest)
* Installing "binary" package 'processx' ...
* DONE (processx)
* Installing "binary" package 'rprojroot' ...
* DONE (rprojroot)
* Installing "binary" package 'askpass' ...
* DONE (askpass)
* Installing "binary" package 'cli' ...
* DONE (cli)
* Installing "binary" package 'ellipsis' ...
* DONE (ellipsis)
* Installing "binary" package 'stringr' ...
* DONE (stringr)
* Installing "binary" package 'Rcurl' ...
* DONE (Rcurl)
* Installing "binary" package 'callr' ...
* DONE (callr)
* Installing "binary" package 'desc' ...
* DONE (desc)
* Installing "binary" package 'openssl' ...
* DONE (openssl)
* Installing "binary" package 'pkgbuild' ...
* DONE (pkgbuild)
* Installing "binary" package 'httr' ...
* DONE (httr)
* Installing "binary" package 'pkgload' ...
* DONE (pkgload)
* Installing "binary" package 'testthat' ...
* DONE (testthat)
* Installing "binary" package 'swirl' ...
* DONE (swirl)

The downloaded source packages are in
> library(swirl)

| Hi! Type swirl() when you are ready to begin.

> Hi
Error: object 'Hi' not found
> swirl()

| Welcome to swirl! Please sign in. If you've been here before, use the same name as you did then. If you are
new, call yourself something unique.

What shall I call you? igorisan

```

Environment History Connections

Global Environment -

Environment is empty

Files Plots Packages Help Viewer

Name	Size	Modified
rhistory	0 B	Mar 31, 2020, 1:49 PM
project.Rproj	205 B	Mar 31, 2020, 1:49 PM

Studio Cloud Your Workspace / KIA

File Edit Code View Plots Session Build Debug Profile Tools Help

Console Terminal Jobs

```

/cloud/project/~/
* Installing "binary" package 'processx' ...
* DONE (processx)
* Installing "binary" package 'rprojroot' ...
* DONE (rprojroot)
* Installing "binary" package 'askpass' ...
* DONE (askpass)
* Installing "binary" package 'cli' ...
* DONE (cli)
* Installing "binary" package 'ellipsis' ...
* DONE (ellipsis)
* Installing "binary" package 'stringr' ...
* DONE (stringr)
* Installing "binary" package 'Rcurl' ...
* DONE (Rcurl)
* Installing "binary" package 'callr' ...
* DONE (callr)
* Installing "binary" package 'desc' ...
* DONE (desc)
* Installing "binary" package 'openssl' ...
* DONE (openssl)
* Installing "binary" package 'pkgbuild' ...
* DONE (pkgbuild)
* Installing "binary" package 'httr' ...
* DONE (httr)
* Installing "binary" package 'pkgload' ...
* DONE (pkgload)
* Installing "binary" package 'testthat' ...
* DONE (testthat)
* Installing "binary" package 'swirl' ...
* DONE (swirl)

The downloaded source packages are in
> library(swirl)

| Hi! Type swirl() when you are ready to begin.

> Hi
Error: object 'Hi' not found
> swirl()

| Welcome to swirl! Please sign in. If you've been here before, use the same name as you did then. If you are
new, call yourself something unique.

What shall I call you? Igorisan

| Thanks, Igorisan. Let's cover a couple of quick housekeeping items before we begin our first lesson. First of
all, you should know that when you see '...', that means you should press Enter when you are done reading and
ready to continue.

... <- That's your cue to press Enter to continue

```

Environment History Connections

Global Environment -

Environment is empty

Files Plots Packages Help Viewer

Name	Size	Modified
rhistory	0 B	Mar 31, 2020, 1:49 PM
project.Rproj	205 B	Mar 31, 2020, 1:49 PM

