



RESEARCH DATA CENTER

REX - Remote Execution / Sistema di elaborazione a distanza

REX User Guide



BANCA D'ITALIA

EUROSISTEMA

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Dear researcher,

Welcome to the Bank of Italy's remote execution application REX. In the following pages you will learn how to use the system for your research project.

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1. Access request

Go to [this form](#), fill it in, sign it and send it to ricerca.microdati@bancaditalia.it together with a valid photo ID. If you already have a userid for Bank of Italy's systems, please provide this information in the corresponding field in the form. Keep a copy of the form for future reference.

If your request is accepted, you will receive a confirmation email containing your username and the address of the application.

2. Access to REX

Go to the [RDC Portal](#), choose REX. You are now in your personal work area. Here you will see:

- On the application bar
 - User data
 - Language menu (you can switch between English and Italian)
- On the application window
 - Button for new job submission
 - Filter to sort your previous jobs by submission status
 - Table with submitted jobs and relating info
 - Available datasets (only those accessible by you)
 - Current software versions in runtime environment

News

Banca d'Italia - Research Data Center - Remote Execution

Filter your previous jobs by submission status

Button for new job submission

User: WRDC35244971 - ELENA GRECO EN Logout

Select language (IT - EN)

WARNING: The current STATA version is not compatible with versions earlier than 17.0 for some commands. Thus, programs compiled on test data with an earlier version are not guaranteed to be compatible when submitted in REX. For details, please see <https://www.stata.com/support/>

Submissions

Show 10 entries

Filter by submission status: All, Completed, Pending, Rejected, Cancelled

Nº	File name	Datasets	Submission date	Last update	Status	Actions
111	about_stata.do	IBBASS_STORICO_REX [csv]	04/17/2024, 02:40 PM	04/17/2024, 02:42 PM	Pending	[New submission] [Cancel]
110	prova_merge.do	BANCI_FUI [csv], BANCI_GRUCLA...	04/04/2024, 11:43 AM	04/04/2024, 11:54 AM	Rejected	[New submission] [Cancel] [Message]
109	Regressione.R	IBBASS_STORICO_REX [csv]	04/04/2024, 11:41 AM	04/04/2024, 11:51 AM	Completed	[New submission] [Cancel] [Message]
108	Esempio_1_INVIND_R.R	INVIND_REX [csv]	04/04/2024, 11:27 AM	04/04/2024, 11:45 AM	Completed	[New submission] [Cancel] [Message]
104	do_file_rex.do	IAL_STORICO_REX [csv]	01/19/2024, 03:24 PM	04/04/2024, 11:44 AM	Cancelled	[New submission] [Cancel]
102	Esempio_8_INVIND_stata.do	INVIND_REX [csv]	12/12/2023, 09:19 AM	04/04/2024, 11:27 AM	Cancelled	[New submission] [Cancel]
101	Esempio_7_INVIND_stata.do	INVIND_REX [csv]	12/12/2023, 09:19 AM	04/04/2024, 11:27 AM	Cancelled	[New submission] [Cancel]
100	Esempio_6_INVIND_stata.do	INVIND_REX [csv]	12/12/2023, 09:18 AM	04/04/2024, 11:27 AM	Cancelled	[New submission] [Cancel]
99	Esempio_5_INVIND_stata.do	INVIND_REX [csv]	12/12/2023, 09:18 AM	04/04/2024, 11:27 AM	Cancelled	[New submission] [Cancel]
98	Esempio_4_INVIND_stata.do	INVIND_REX [csv]	12/12/2023, 09:18 AM	04/04/2024, 11:27 AM	Cancelled	[New submission] [Cancel]

Showing 1 to 10 of 111 entries

Available datasets

- [IAI_STORICO_REX] Indagine sulle aspettative di inflazione e crescita
- [IBBASS_STORICO_REX] I Bilanci Bancari individuali a Scopo Statistico
- [INVIND_COST_REX] Indagine sulle imprese di costruzione
- [INVIND_REX] Indagine

Datasets you have been granted access to

Runtime environments

- R - Rscript (R) version 4.3.3 (2024-02-29)
- Stata - version 18.0

Current software versions in runtime environment

List of available packages

Cancel submission

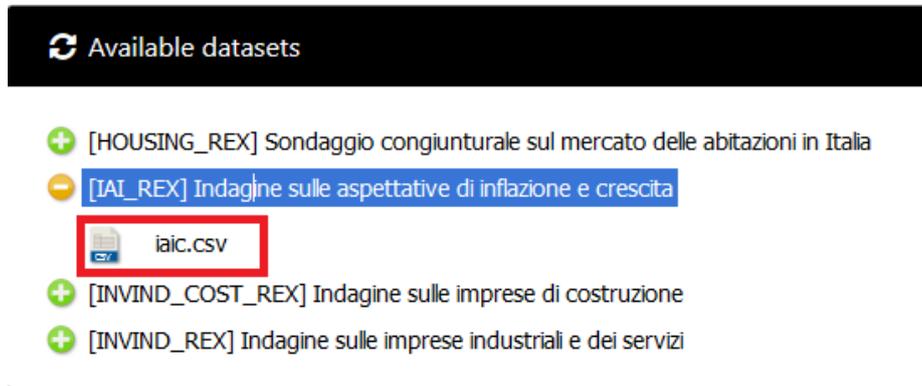
Submitted jobs and relating info

Message from RDC staff

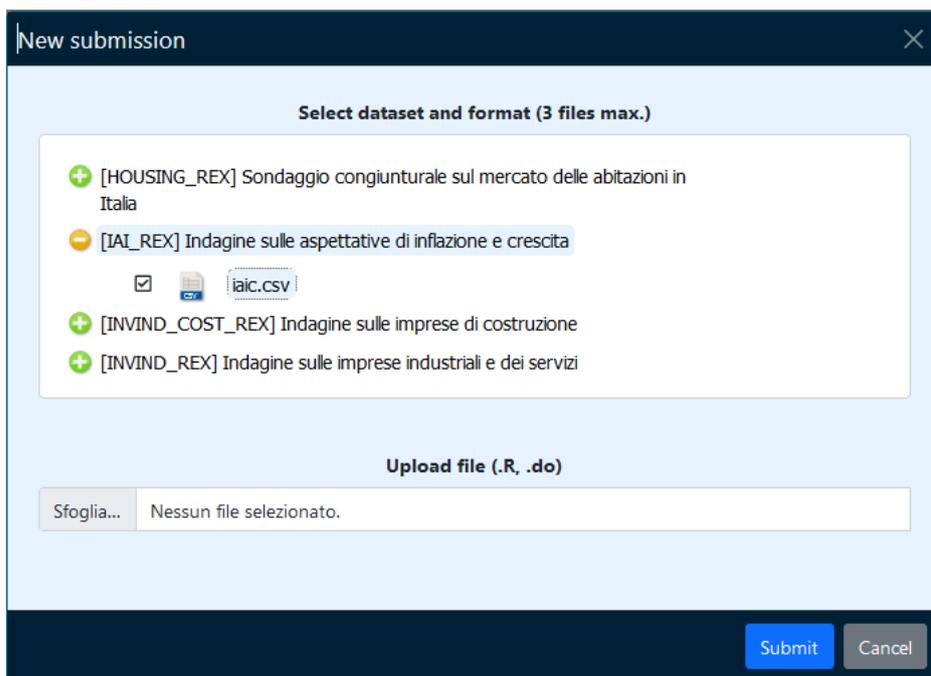
3. How to use the application

These are the steps to submit your jobs:

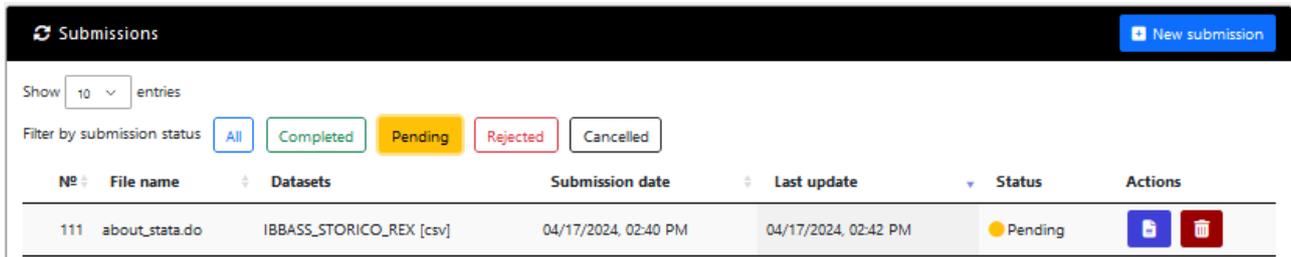
- Look for the name of the dataset of interest (e.g. *filename.csv*) browsing through those available (up to 3 datasets in the same job);



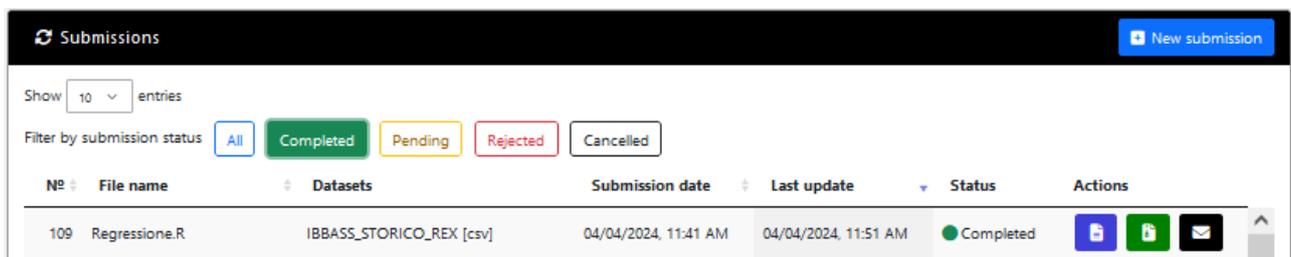
- Compile your code in the language of choice (e.g. R or Stata) including the instructions to upload the data (for Stata: `import delimited "filename.csv"`; for R: `read.csv("filename.csv", header = TRUE)`) and perform your analysis (see job examples). It is possible to save temporary data in the default work area (e.g. save `"new_data"` in Stata);
- Make sure the packages you use are available by checking the list;
- Click on 'New submission' in the top-right corner and select the dataset(s) you want to upload from the window;
- Upload your job code (the software will automatically recognize the language);
- Click 'Submit'.



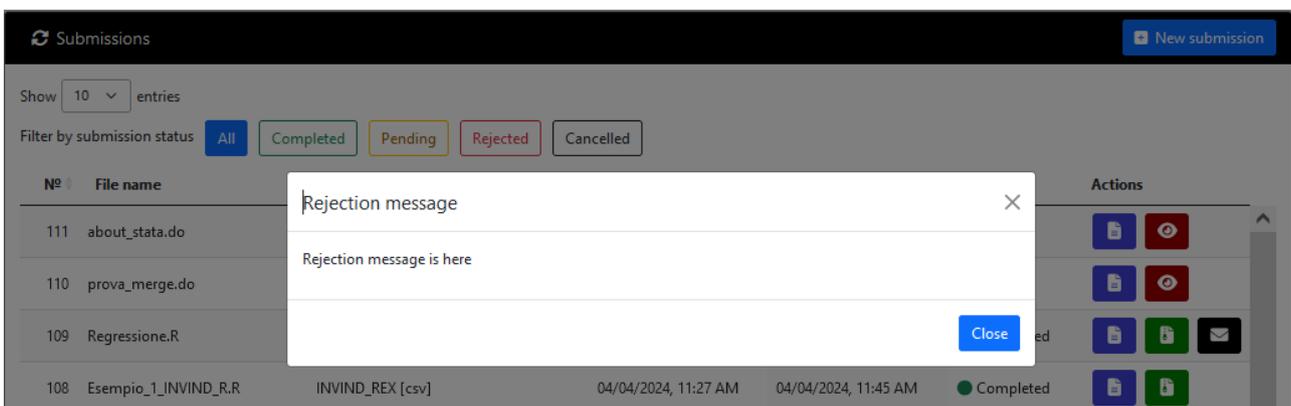
From your user interface you can check that the job was successfully sent and that the job status is 'Pending'. You cannot submit a new job if you have more than three pending jobs. You can cancel a job's submission clicking on 'Cancel this request' or wait until the pending jobs have changed status.



If your output is compliant with all the rules, the job status will be set to 'Completed' and you will be able to download the results (in a zipped file) clicking the second button in the action column (Download output). If the RDC staff has communications or observations, you'll find a button with an envelope icon which will contain the message.



Should your output violate any disclosure rules, RDC will reject your output and the status will be set to 'Rejected'. You can click on the 'View rejection message' button to read the reason for the refusal (if any is provided).



You can check the job you submitted at any time by clicking on the 'Download input' button (on the left under 'Actions').

You can't install extra packages on your own; installation of unavailable packages needs to be requested with an e-mail to ricerca.microdati@bancaditalia.it.

4. Troubleshooting

For security reasons, if your session is idle for some minutes you will be logged off from the application without warning but upon performing any actions you will be redirected to the login page after a brief error message. Log in again to resume use of the application.

Keep in mind that security policies require the password to be changed frequently and you are required to do so when prompted. If you forgot your password you can reset it and choose a new one, at any time, using the appropriate option (Password recovery) in the access page.

If your OTP is not accepted, try clicking on 'Send new SMS' to receive a new OTP and try again. You might experience temporary connection issues. If you do not receive an OTP, please double-check the phone number you entered on the request form and write to ricerca.microdati@bancaditalia.it specifying your username to rectify any incorrect data.

If your job is in 'Pending' status for a while, please consider that review times by RDC staff depend on output length, job complexity and general workload.

For any further issues or assistance requests, please email RDC at ricerca.microdati@bancaditalia.it. The REX team will get back to you as soon as possible.