



Tianchi User Manual

Preface

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1 Register

For a new participant, the first step is to do a registration on Tianchi website.

- 1) Log in Tianchi official website (<https://tianchi.aliyun.com/>) and click <Registration>:

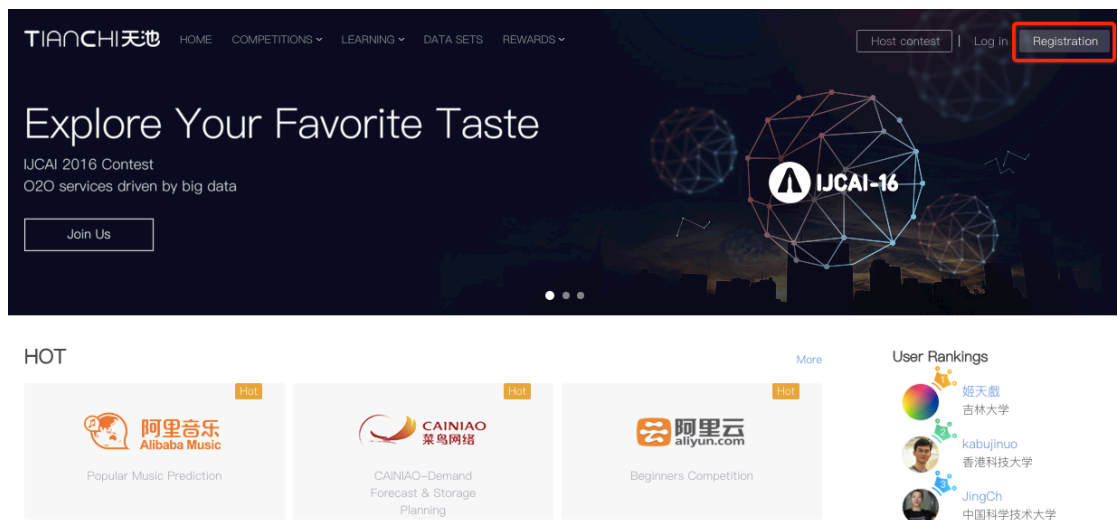


Figure 1 Tianchi Official Website

- 2) Click <sign up>:

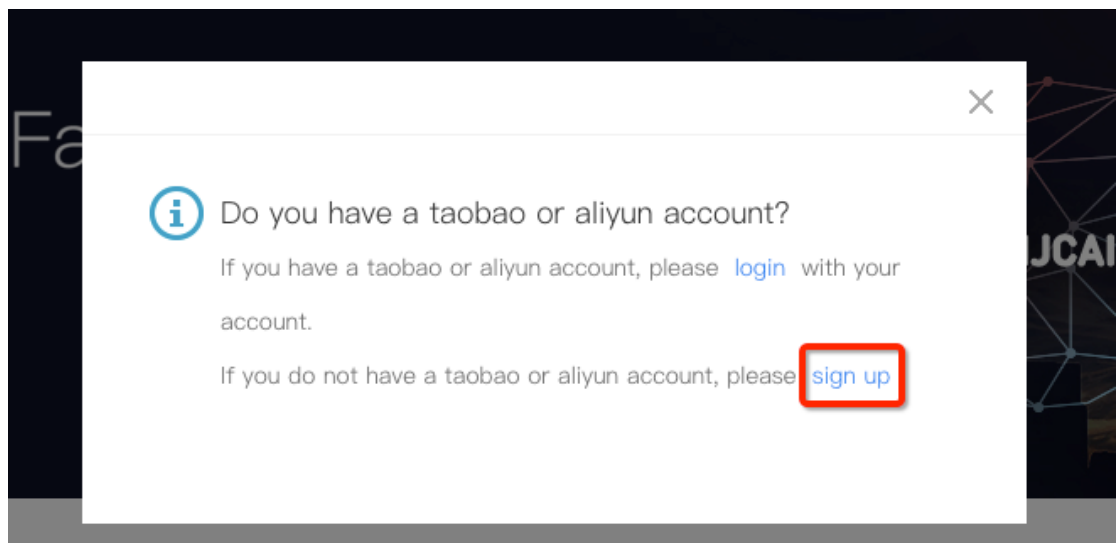


Figure 2 Do you have a taobao or aliyun account

- 3) Choose your Country/Region and verify your email address:

1 Verification 2 Information Complete

Country/Region Afghanistan

The country/region you choose must be consistent with your mobile phone and credit card.

Email Please enter the email

Verification Code

☒ I agree and apply to Aliyun Site Terms, Membership Agreement and Privacy Policy

Next

1 Verification 2 Information Complete

A confirmation email has been sent to your mailbox

Please check your email box and continue your registration within 24 hours.

Go check email Having problem receiving email?

4) Set the password and verify your phone number:

1 Verification 2 Information Complete

Password Please enter your password

Confirm password Please retype your password

Country/Region U.S.A.

Phone number 1

Confirm

1 Verification

2 Information

Complete

Verify mobile phone

A verification code has been sent to your mobile. Please enter the verification code in 15 minutes. Please keep your verification code confidential.

Mobile phone number 139****1234

Verification code [Resend \(14 s\)](#)

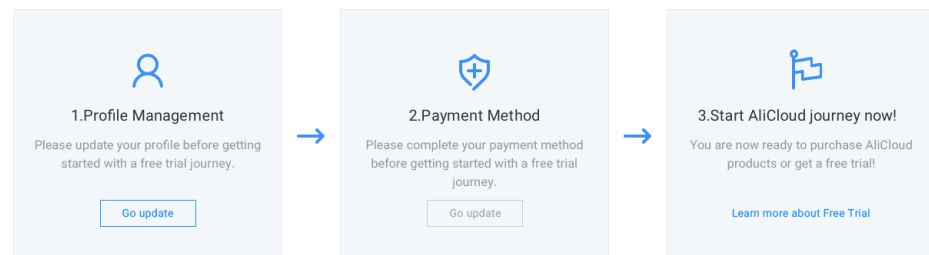
✔ A verification code has been sent

[Confirm](#)

Click <Confirm> and the registration completed.

Go update your information and start an AliCloud journey!

You have successfully registered as an AliCloud user. To get a full AliCloud experience, you need to update your profile and payment information.



English

About Us

Privacy Policy

Site Terms

Alibaba Group Taobao Marketplace Tmall Juhuasuan AliExpress Alibaba.com 1688 Alimama Alitrip YunOS HiChina
AliTelecom Autonavi UCWeb Umeng Xiami TTPod Laiwang DingTalk Alipay

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5) Please go Back to Tianchi Home and click <Login> :

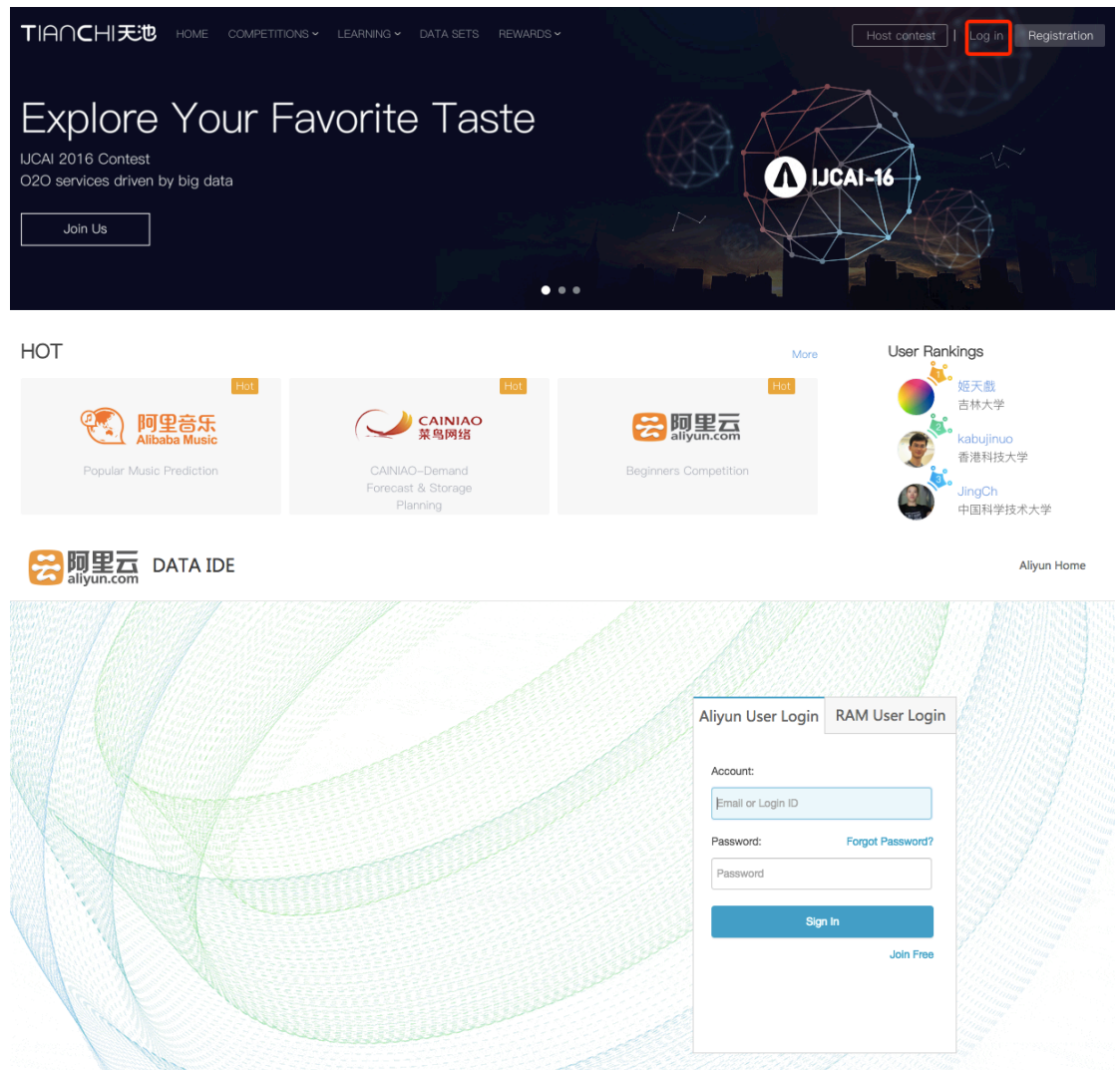


Figure 3 Login Maininterface

2 Competition on Local

During this competition, participants can download data sets into the local and submit their results by uploading local file onto Tianchi website. Participants can submit as many results as they want, but only the latest submission before the update will be evaluated.

2.1 Sign up and Download Data

For a new Tianchi user, you need to fill in your personal info in order to participate a contest.

- 1) Click [COMPETITIONS->ALGORITHM COMPETITIONS] to find out your interested competition:

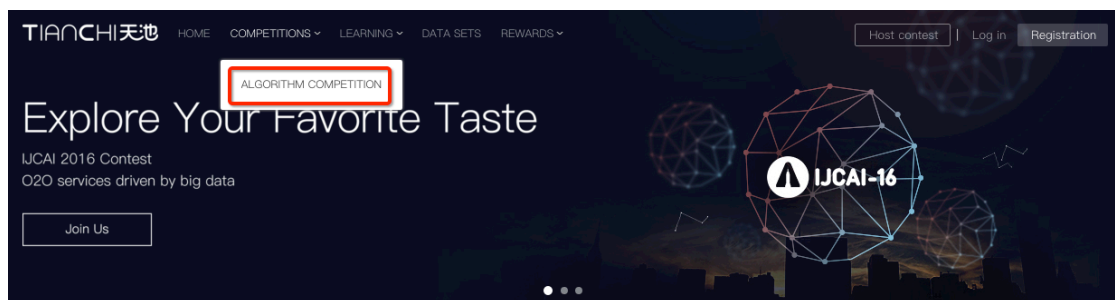





Figure 5 Competitions Interface



- 2) Click <Learn more> at the end of the competition to open the competition details, as follows:

	Status	Sponsors	Deadline of Season 1	Rewards	Teams
Brick-and-Mortar Store Recommendation w...	Active		2016/05/31	¥ 100000	84
<p>Abstract:As mobile devices become ubiquitous in our daily life, location based services (LBS) have become increasingly more important. In this contest, we will focus on nearby store recommendation when users enter new areas they rarely visited in the past.</p> <p>Learn more ></p>					
	Status	Sponsors	Deadline of Season 1	Rewards	Teams
Popular Music Prediction	Active		2016/06/14	¥ 380000	2879
<p>Abstract:</p> <p>Learn more ></p>					
	Status	Sponsors	Deadline of Season 1	Rewards	Teams
CAINIAO-Demand Forecast & Storage Plan...	Active		2016/05/16	¥ 330000	2036

3) Click <Sign up> to join in the competition:

TIANCHI天池
HOME
COMPETITIONS
LEARNING
DATA SETS
REWARDS
Host contest
Log in
Registration

Home > Competitions > Introduction

	Status	Sponsors	Deadline of Season 1	Rewards	Teams	
Brick-and-Mortar Store Recommendation...	Active		2016/05/31	¥ 100000	84	

Introduction
Description & Data
FAQ

Introduction

Background

As mobile devices become ubiquitous in our daily life, location based services (LBS) have become increasingly more important. People are

Figure 6 Sign up a competition

Status	Sponsors	Deadline of Season 1	Rewards	Teams	
ommendation...Active		2016/05/31	¥ 100000	84	

1.Registration

2.Invitation code

3.Success

Invitation code

* Source of information:

☐ I have the team code

☒ I do not have an team code(If you do not have an team code or do not want to use the team code, please choose this)

☒ I understand and accept [the agreement](#)

- 4) After signing up successfully, the system will ask if you need to <Join a team> or <Organize a team>. Gengerally, team mergers are allowed during the competition, so you can firstly click <Organize a team> (yourself is a team with a team name of your Tianchi nick defaultly).

Registration ×

Congratulations!

You've registered successfully.You haven't joined any team yet. You may organize your own team or join any other team.

- 5) You can download the date sets from [Description & Data] page:

Description & Data

Document	Format
sample_submission.csv	.csv (62KB) ↓
Part I Data set(code:TI94gd)	download ↓

Figure 7 Download Data

2.2 Submit Result

- 1) Click <Submit result> to submit your result:

Introduction
Description & Data
FAQ
Leaderboard
Forum
My submissions
My result
My team

The result submitted should be .csv, which must not exceed 20M
[Submit result](#)

Note: The evaluation is conducted at 10:00 A.M. (GMT + 8) everyday. You can submit as many results as you want but only the latest one counts

The latest result submitted
You have no result yet.

Figure 8 Submit Result Page

3 Competition on Yushanfang Platform

Some competitions may need to use the distributed competition platform – Yushanfang. For those competitions, you will find the following tab:

Yushanfang

Based on public cloud computing, Yushanfang is a platform for users to manage, calculate and exchange data. It provides services for customers such as government organs, companies, scientific research institutes, third party software service providers, etc. to manage, develop and calculate big data. It also allows customers to exchange data, to meet the scenario demands of managing, applying, and circulating data. Yushanfang aims to help its customers to achieve business value.

Data Development Platform

The Data Development Platform is a set of integrated development environment, based on workflow. It supports commonly-used data development tools, such as SQL and MapReduce. The platform can also

Algorithm Platform

Algorithm Laboratory is a set of professional visualized algorithm integrated development environment. It adopts the workflow pattern and can complete model training and prediction via dragging and configuring

competition strategy [more >>](#)

Alibaba Mobile Recommendation Algorithm Competition, Season Two Walkthroughs NEW	2015-4-29 09:38:24
Alibaba Mobile Recommendation Algorithm Competition, Demo of a sample code NEW	2015-4-29 09:38:24
YuShanFang User Manual NEW	2015-4-29 09:38:24

3.1. Verification

In order to use the distributed platform, you must verify your account via your ID info (ID card, student card, Passport etc.).

Verifying your account will help to prove that you are not holding multiple accounts. Tianchi will not use your personal info beyond the purpose of verifying the account.

- 1) Click on your account name at the right-upper corner to enter into [My Page].
Click <Verify your account>:

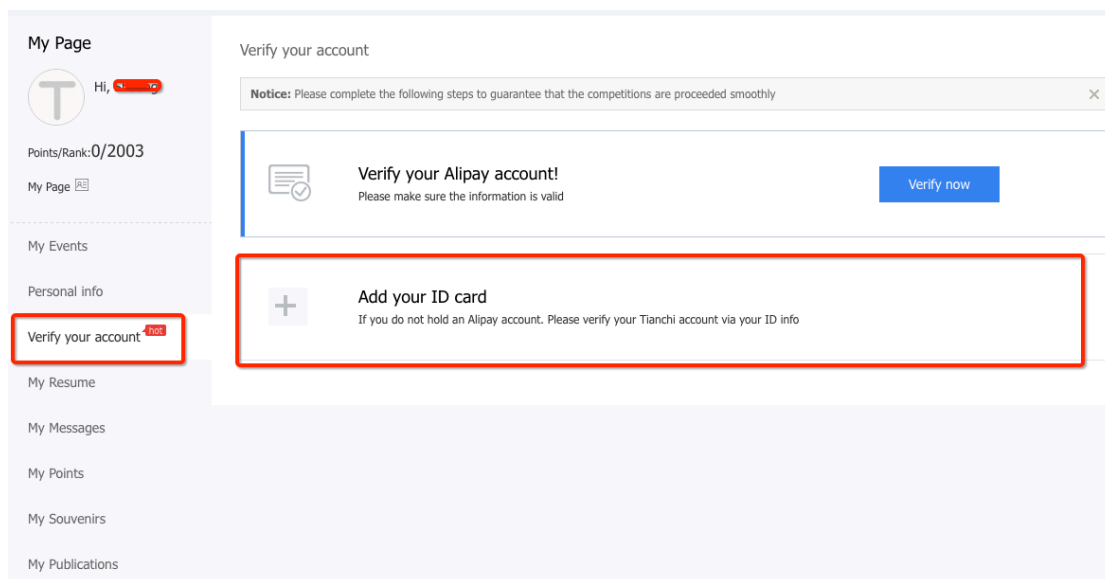


Figure 11 Account Verification

- 2) Click on  to fill in your info:

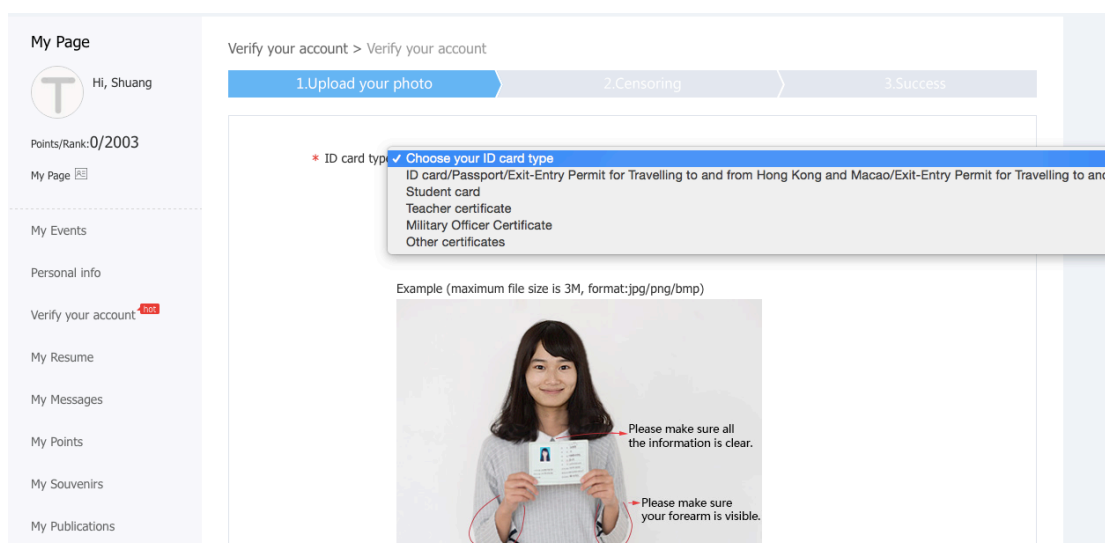


Figure 12 Upload Your Photo

Choose your ID type and upload the photo with your ID card. Please make sure all the information is clear and your forearm is visible.

3.2 Log in Yushanfang Platform

Click and log in the Yushanfang Platform (Please use your Tianchi account to log in the Yushanfang Platform).

Introduction

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FAQ

Leaderboard

Forum

Yushanfang

My result

My team

Yushanfang

Based on public cloud computing, Yushanfang is a platform for users to manage, calculate and exchange data. It provides services for customers such as government organs, companies, scientific research institutes, third party software service providers, etc. to manage, develop and calculate big data. It also allows customers to exchange data, to meet the scenario demands of managing, applying, and circulating data. Yushanfang aims to help its customers to achieve business value.

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competition strategy

more >>

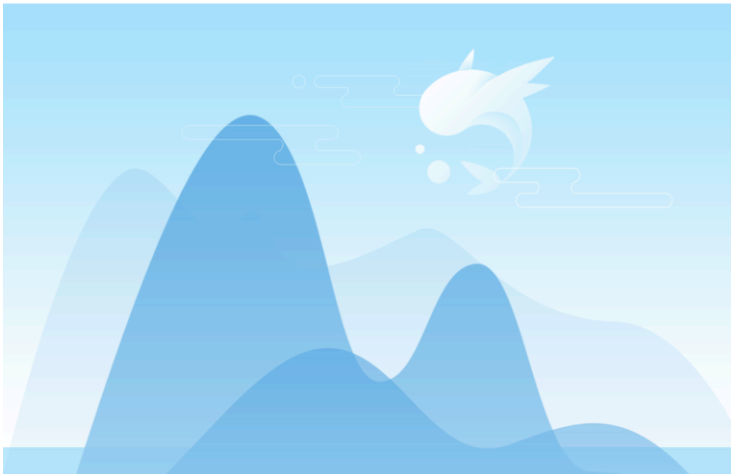


御膳房

YUSHANFANG.COM

阿里巴巴旗下产品

Home Page



登录

SIGN IN

Email address/member ID

Forgot Password?

Password

Sign In

注册淘宝账号

not seller or isv,choose: register aliyun

3.3 Project Page

After logging in Yushanfang platform, you can enter into your project granted by Tianchi.

- 1) Click [My Workbench->Data Center->Workbench] to enter into your project page, as follows:

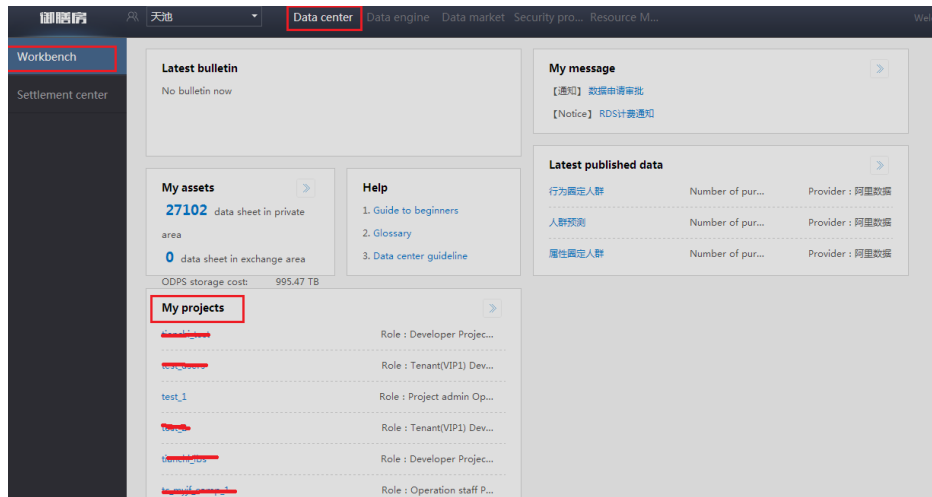


Figure 14 Workbench

- 2) In [My projects] list, you can find your project. Such as test_1.
- 3) Click on your project name to enter into your project index interface, as follows:

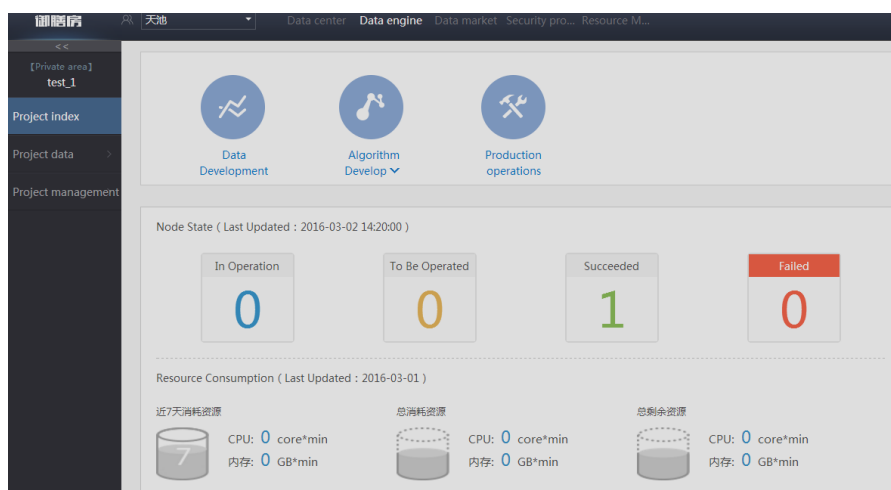


Figure 15 Project Index

3.4 Check Data

After you enter into your project, you can check your data.

- 1) On Figure 15, click [Project data -> Data resource -> Application of data within the organization], as follows:

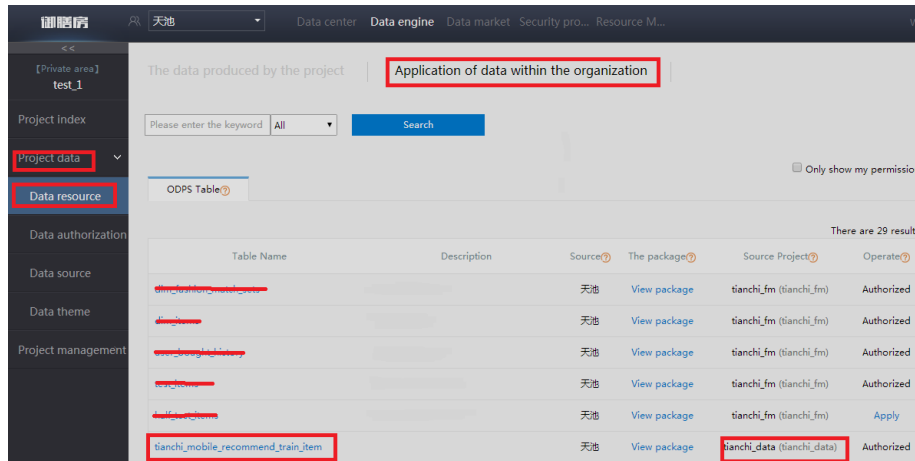


Figure 16 Check Data

- 2) Access the tables on [Data Development] platform.

When accessing a table, you need to add the project name before the table name.
For example:

If the project name is tianchi_data, you need to write the table name as tianchi_data.tianchi_mobile_recommend_train_user.

Note:

You can copy the tables to your own project by writing the following SQL on [Data Development] platform:

```
Create table if not exists tianchi_mobile_recommend_train_user as select * from tianchi_data.tianchi_mobile_recommend_train_user;
```

3.5 Data Development

On “Data Development” platform, you can use ODPS SQL, MapReduce and UDF.

- 1) Enter into [Project Index] page, as shown on Figure 12.
- 2) Click on the “Data Development” icon to enter the following interface:

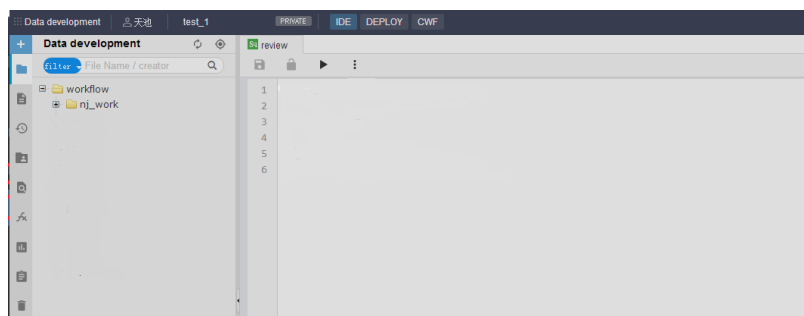


Figure 17 Data Development Workbench (IDE)

3) Add a new folder.

Click on “+” to pop up a menu.

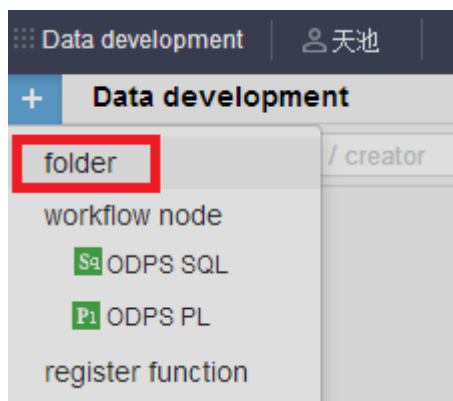


Figure 18 Menu

Click on folder to add a new folder, as follows:

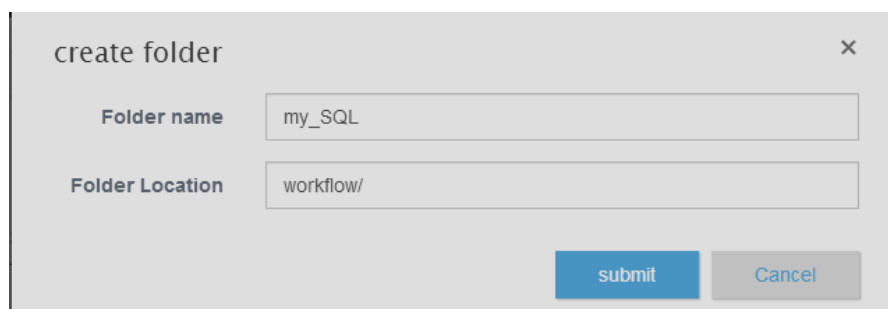


Figure 19 Create folder

4) Add a workflow node.

Right click on a folder to pop up a menu. Click <+ workflow node> to add a new workflow as follows:

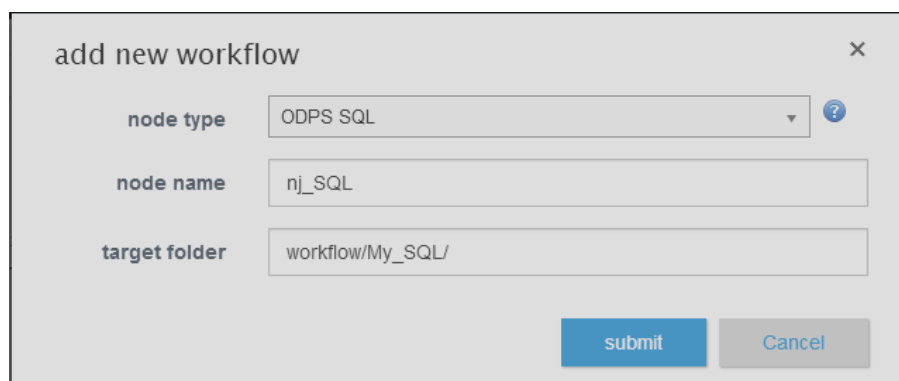


Figure 20 add a new Workflow

Click <submit> and then you can run ODPS SQL in right area, as follows:

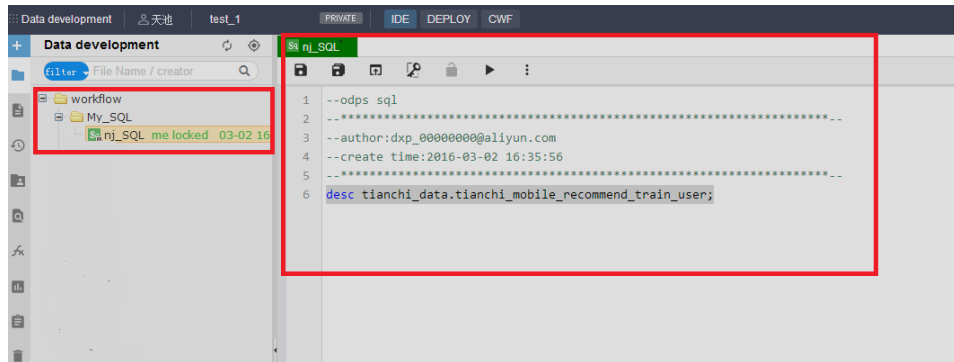


Figure 21 Run SQL

Note:

To learn more about data development, please refer to (<http://setting.tenant.yushanfang.com/portal/help/doc.html?file=ShuJuKaiFa>).

To learn ODPS SQL syntax, UDF and MapReduce, please refer to “ODPS User Manual”(<http://tianchi.shuju.aliyun.com/competition/information.htm?spm=5176.100067.5678.2.imn7Ax&raceld=231532>).

To learn MapReduce and UDF configuration, please refer to (<http://setting.tenant.yushanfang.com/portal/help/doc.html?file=MrUdfLocalDev>).

3.6 Algorithm Development

You can do Data Preprocessing, Statistics, Modeling, evaluation by build-in models on Algorithm Platform.

- 1) Enter into [Project Index] page, as shown on Figure 15
- 2) Click on the “Algorithm Develop” icon, as follows:

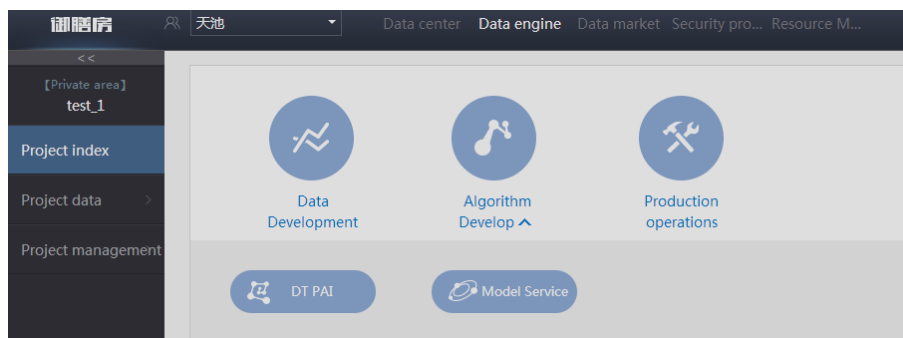


Figure 22 Algorithm Development

3) Click on “DT PAI” to enter into PAI platform, as follows:

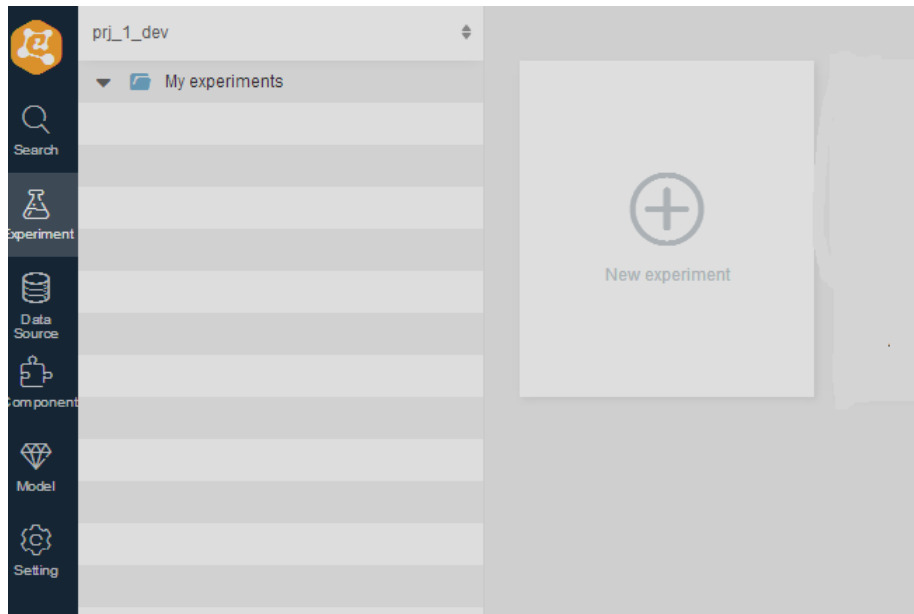


Figure 23 Algorithm Platform Interface

Note:

When doing data analysis on Algorithm Platform, you need to copy all the required tables into your own project at first. For the copy method, please refer to 3.4).

Please void using the full data directly. You are suggested to do data sampling before modeling.

To learn more about DT PAI, please refer to (<http://setting.tenant.yushanfang.com/portal/help/doc.html?file=SuanFaPingTai>).

3.7 Submit Result

Select the reasonable data set from the result generated by modeling and submit the data into the table which is required in [Competition Description & Data] tab on Tianchi website, as shown in figure 8.

4 Appendix

Common Used Commands:

```
show tables; --show tables in your project.  
desc table_name; -- check the structure of a table.  
show partitions table_name; -- check the partition of a table
```

Documents:

- 1) Yushanfang Platform Documents

<http://setting.tenant.yushanfang.com/portal/help/index.html? Lang=en>

- 2) Algorithm Platform Documents

<http://yushanfang.com/portal/help/doc.html? file=SuanFaPingTai>

- 3) ODPS User Manual.pdf

Please Download:

<https://tianchi.aliyun.com/datalab/dataSet.htm? id=6>