

# User Guide for Driving with Dan

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## ● Install guidelines:

- The install of the game involves two parts: Android emulator and APK file.
- Firstly, download NoxPlayer from <https://www.bignox.com/> and install it. Open the Multi-Drive NoXPlayer and open the link with the browser to download .apk file.
  - (<https://drive.google.com/file/d/157gl-SxkswCf9jdKDIBWd8cx8P1OcM55/view>)
  - Install the file and then the game will be able to open

## ● The scope of the project:

- Learn basic traffic rules
- Develop good driving habits
- Be aware of the severity of fatigue driving
- Simulating driving scenario in real life

## ● User functionalities:

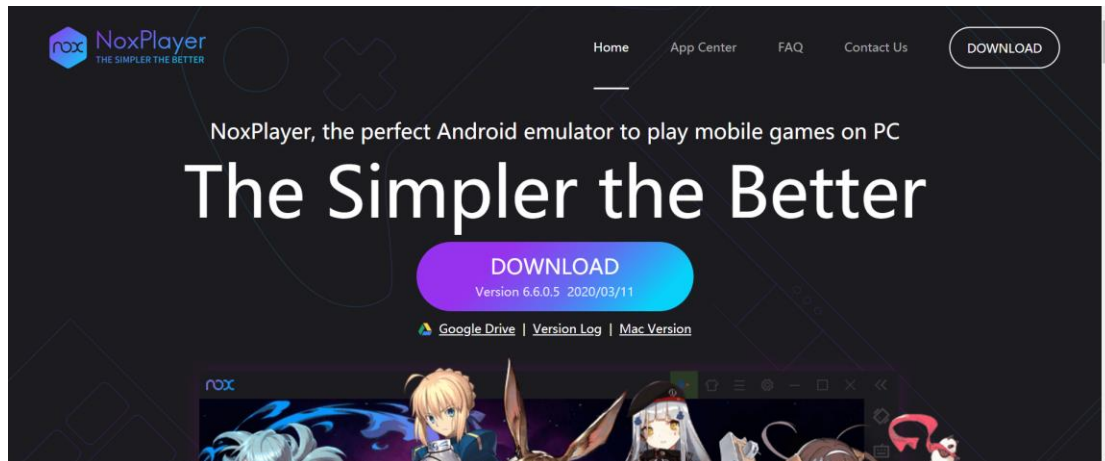
There are two levels for the user to choose on the main menu:

- Level one: This level provides two aspects of learning content: preparation before driving and road signs learning on the roads. In the first part, the user should click the right place in the picture which shows the interior of the vehicle. The game can only be started after the preparation which can be regarded as mirrors checking before driving. The second part will be shown as the scenario of driving on the highway. Road signs will appear where it might exist, and players can click on them to learn specific content.
- Level two: In the second level, we provide the scene to show the severity of fatigue driving. The user is simulating as a driver whose fatigue level will increase during driving. The user should take action when the number of fatigue levels does high and move the car (left, right, or stop) to avoid collisions. One collision or ignore fatigue will lead to game over.

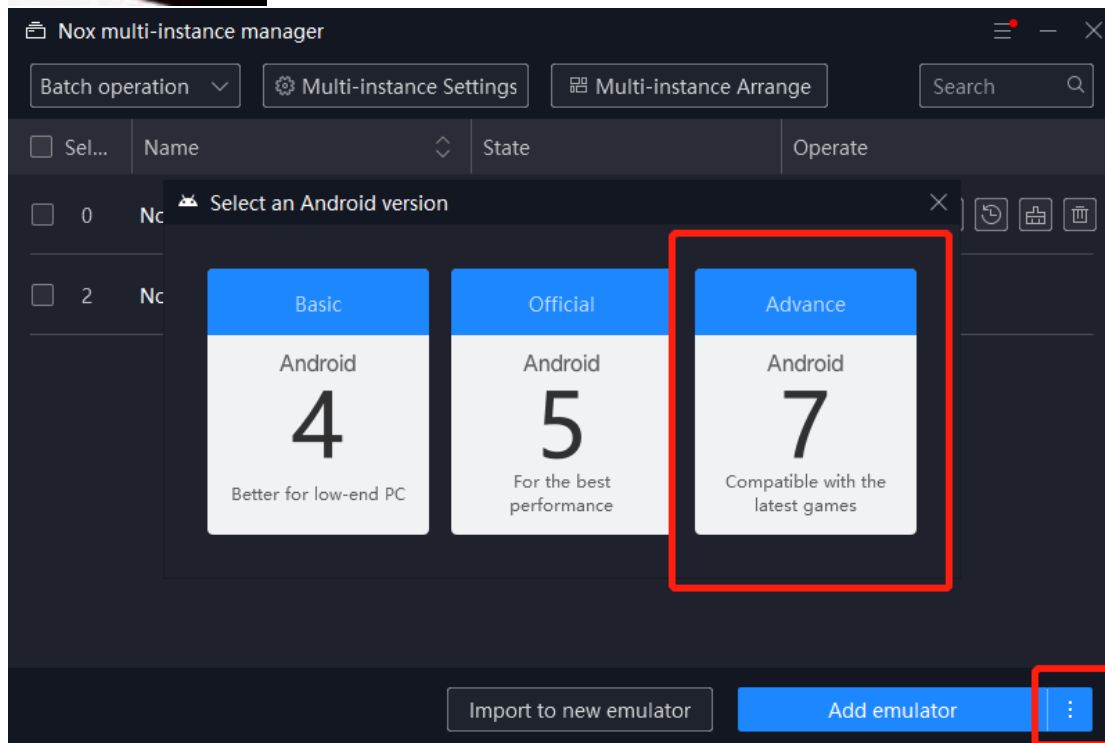
## ● Screenshots: Driving with Dan Application

### Install:

Open the link <https://www.bignox.com/>

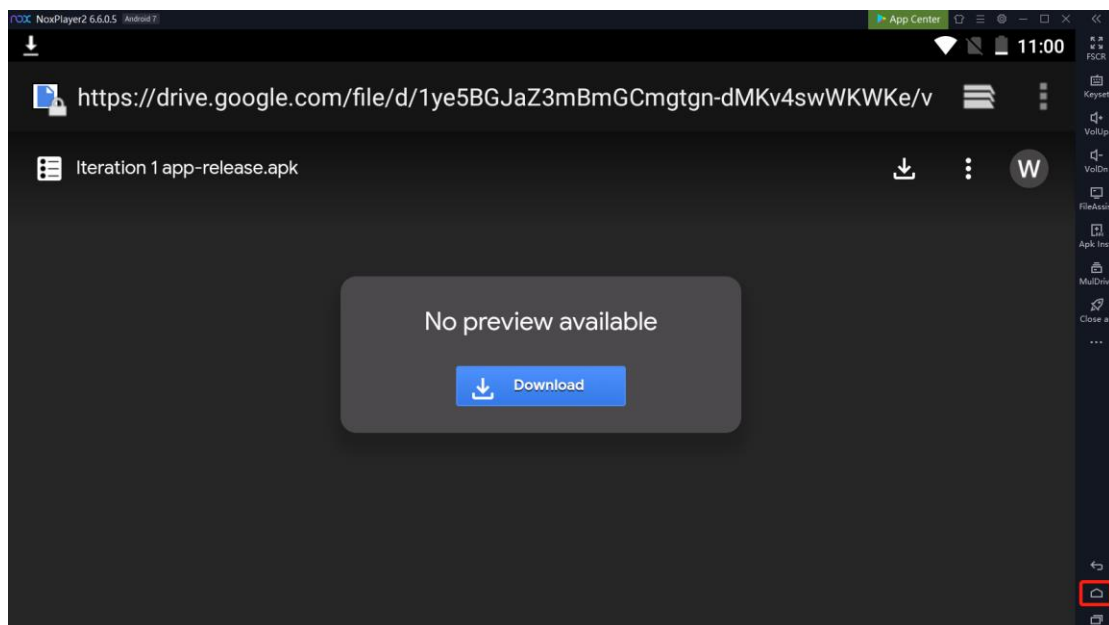
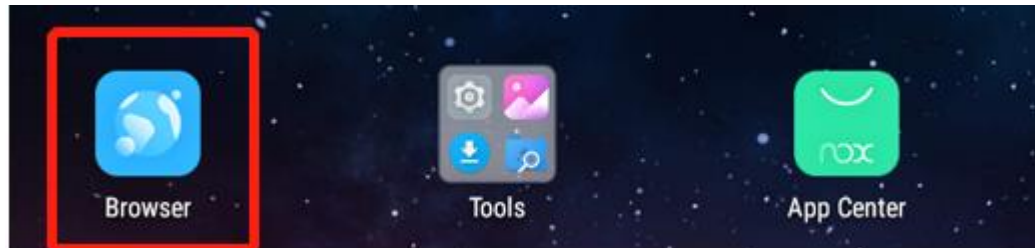
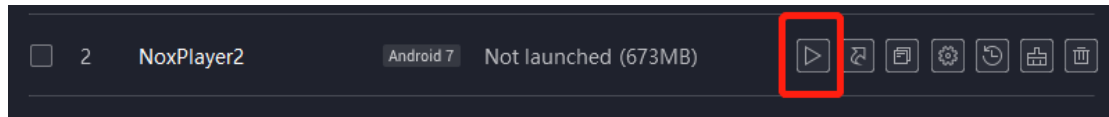


Download the application and install it.

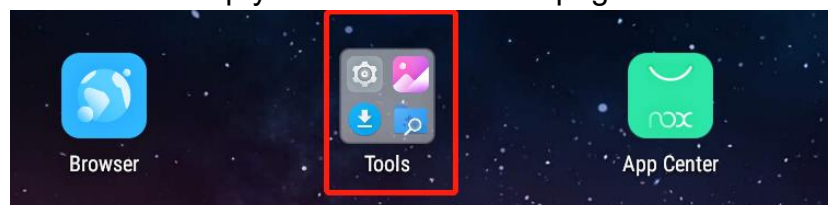


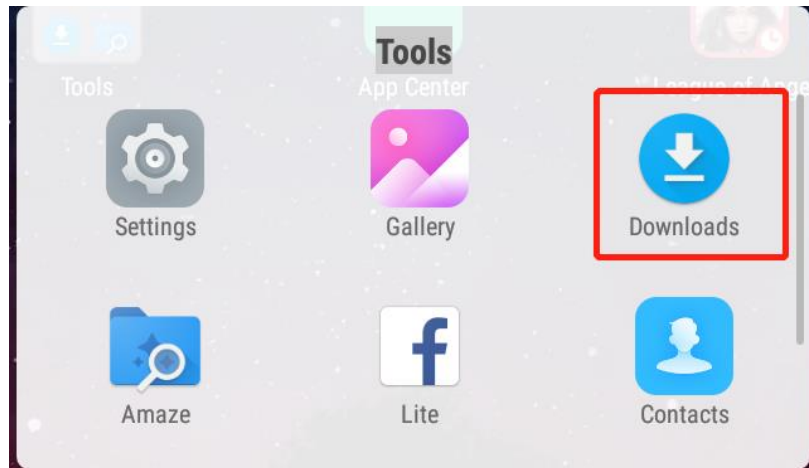
Open the Multi-Drive and then select an emulator with Android 7 to added. It will take some time to get ready.

Open Noxplayer you have just added and open the browser to search the .apk file <https://drive.google.com/file/d/157gl-SxkswCf9jdKDIBWd8cx8P1OcM55/view>, download the file then.

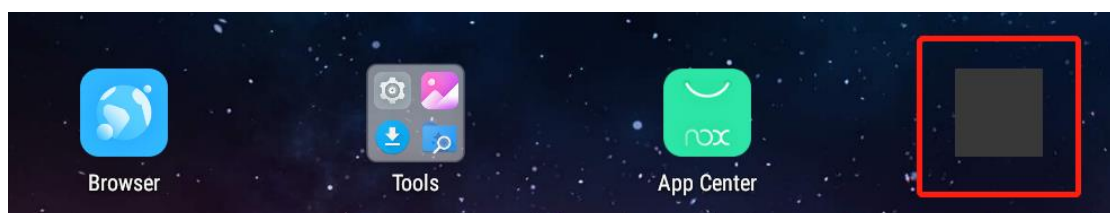
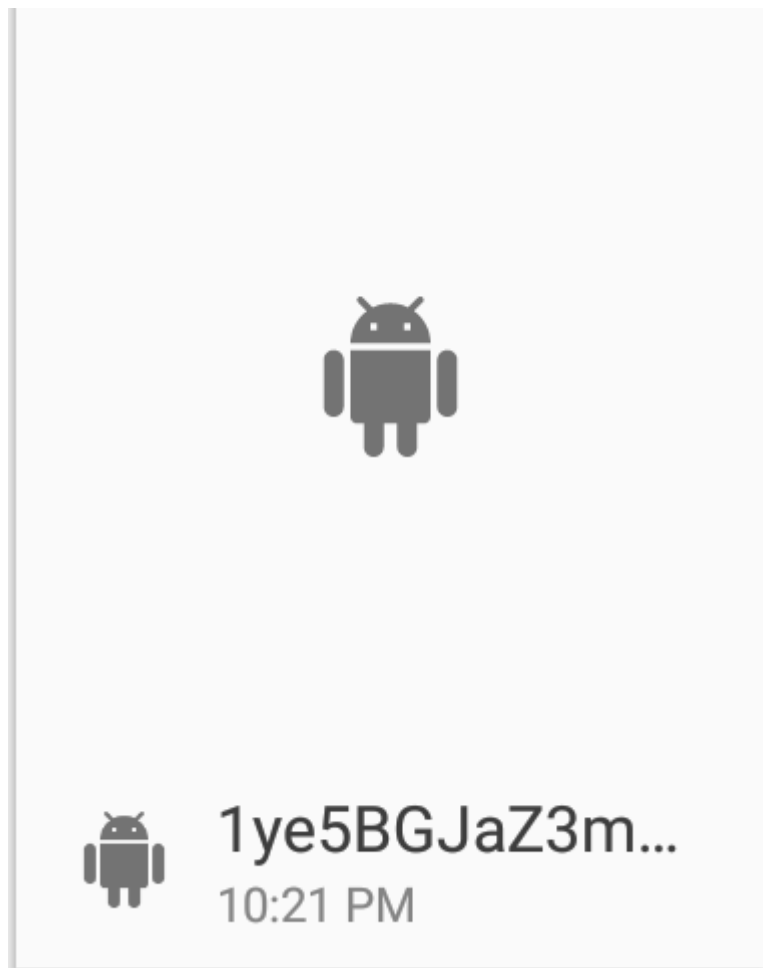


The home button can help you back to the main page.





Open the Downloads folder in Tools, find the .apk file you have just downloaded and click it to install.



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The icon will show up when it finishes installing.

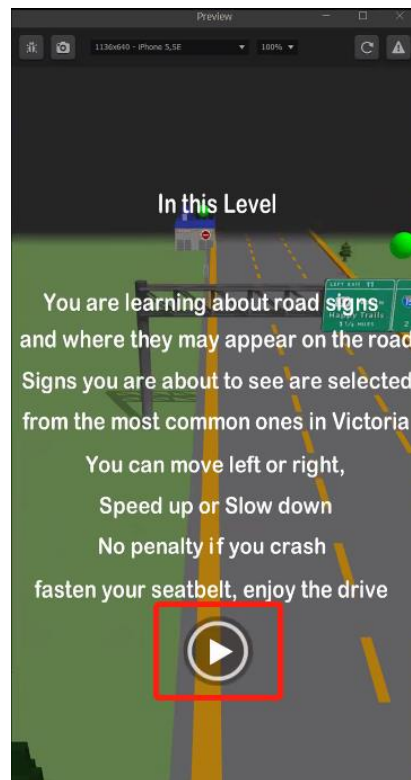
### **Game playing:**

Open the game and then the main page will be shown like this:

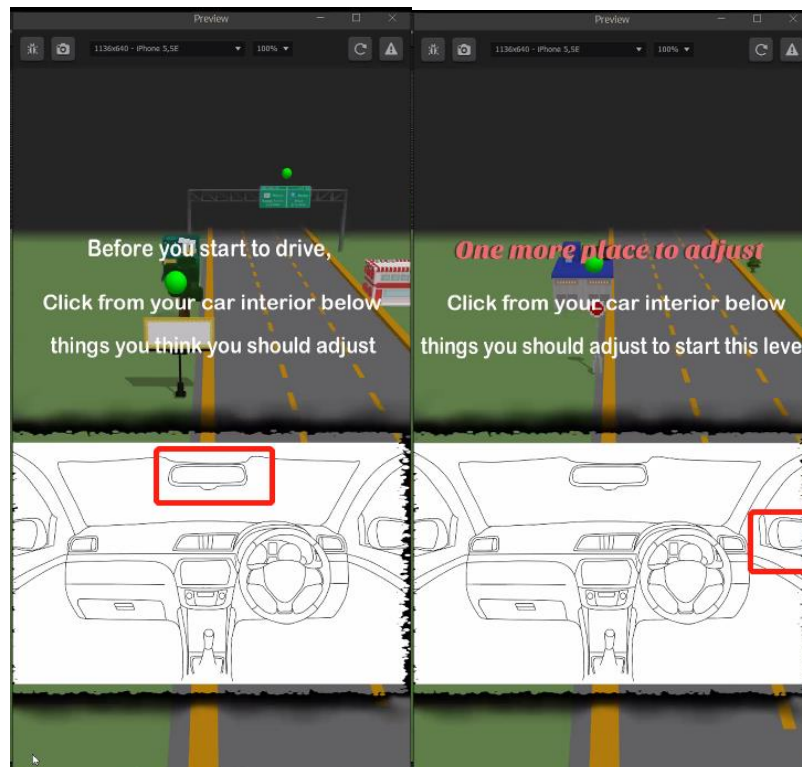


There are two levels to choose: level one for traffic signs learning and level two for fatigue game.

Level one:



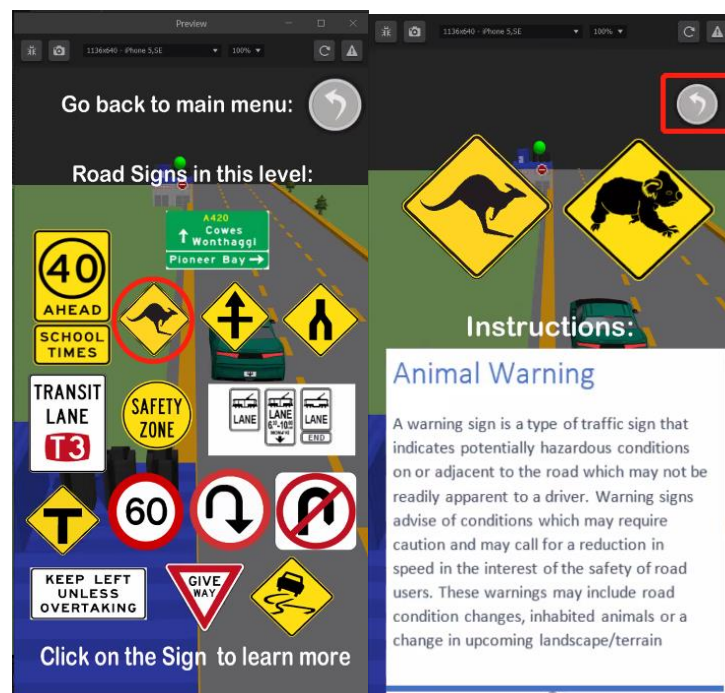
When you choose level one, you will see the screen like this. Please read the text carefully and then press the button to start.



Then, you will be asked to find out the part for preparation for driving. Click the mirrors one by one, which is a good habit for the driver before driving. As long as the correct parts been chosen, the game can be started.



The game will simulate driving scenarios in real life, you can move the car to left, right, speed up, or stop. The green ball is the mark to the locations where the traffic signs might show up. Press the pause button and then you can see a submenu with all the signs you can learn here.



All the signs on the list can be selected and you can see detailed information about it inside. You can back to the list when you finish reading.

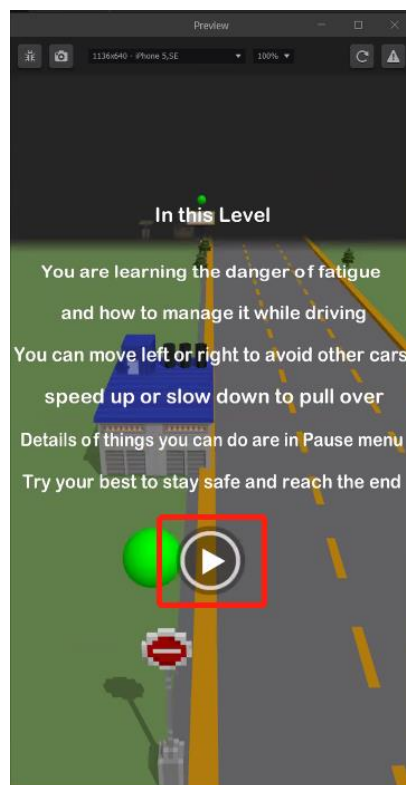




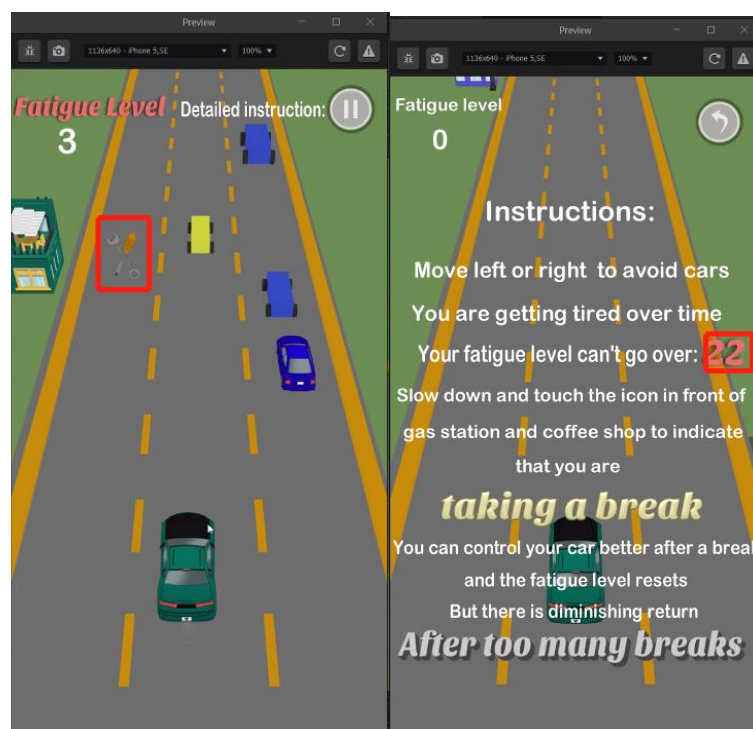
The back button in this submenu can help you go back to the main page.



Level two:

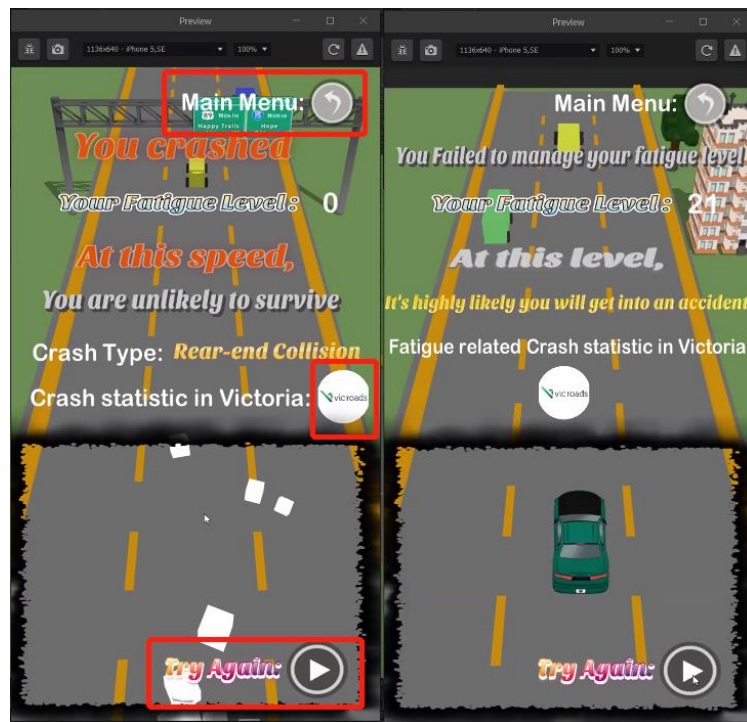


When you choose level two, you can see the rule of the game here. Then you can start the game by pressing the start button.

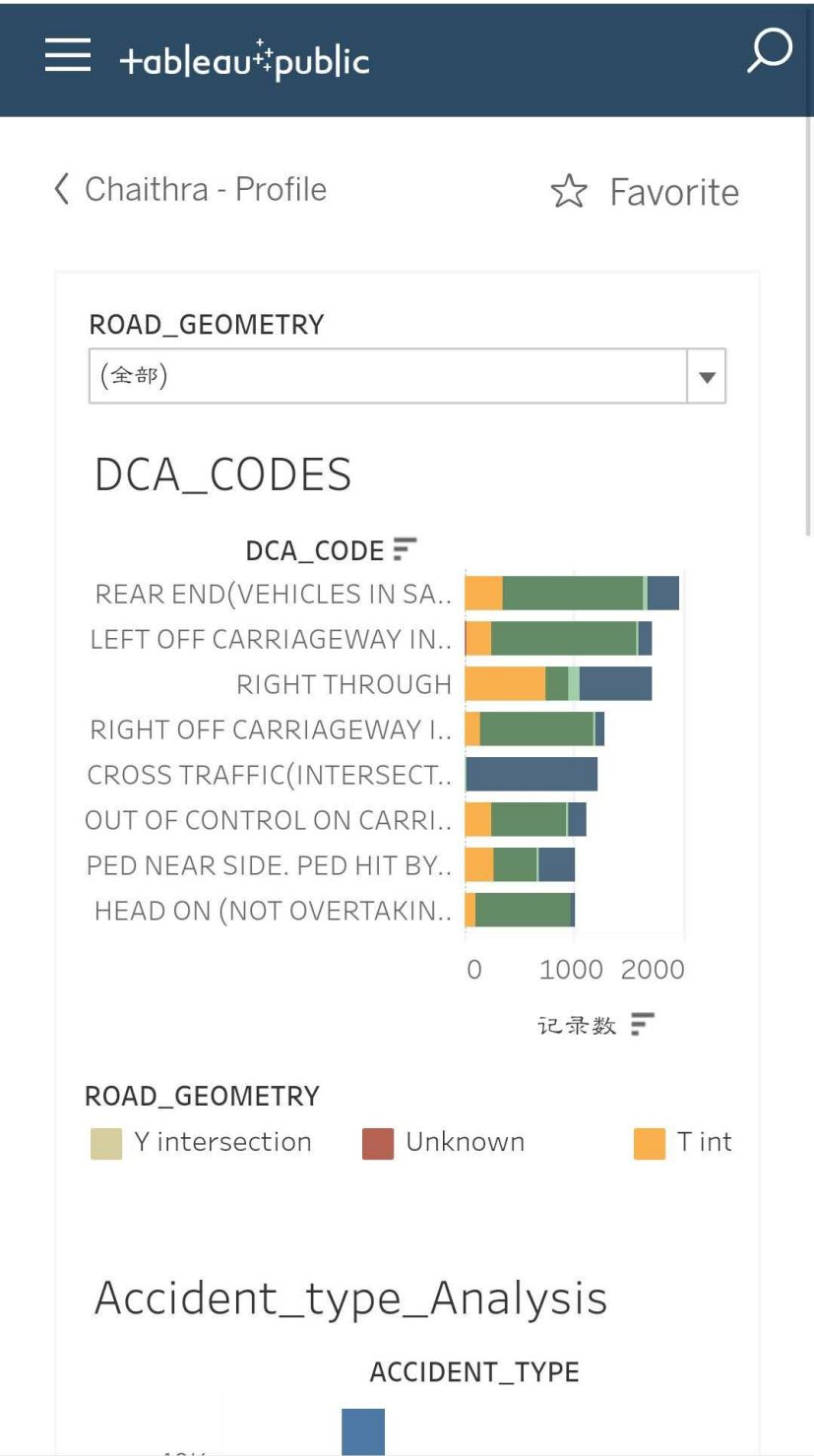


When you play the game, the main screen will be shown like this. You can press pause to see the detailed instructions. During the game, you can move the car to left or right and you can also speed up or down to avoid collisions to

other cars. The number above is the fatigue level, which is a very important property in this level of the game. You will game over when the number reaches 22. The tools on the road can help you decrease the fatigue level.



If you make a collision you will game over and see the screen like this (on the left) and you will also lose the game when your fatigue level is 21 already. You can choose to retry the game or go back to the main page. The Vicroads button can be pressed and will lead you to the website with an analysis of transport injuries.



Here you can see the research for the crashes in Victoria. The detailed explanation will show up when you press that part.



If you avoid all the collisions and keep fatigue level low for about 150 seconds, you will win the game and see the screen above.