AirWatcher User Manual

Introduction

Welcome to AirWatcher, a console-based application for monitoring and analyzing air quality data. This user manual provides instructions on how to use the various functionalities of the application.

Main Menu

Upon launching the application, you will be presented with the main menu. From here, you can sign in as different kind of users depending on your role. Choose the right role and you will access its menu.

Role Menu

You can now access different functionalities according to your role by entering the corresponding number :

Agency :

- **1. Analyze air quality :** See the analysis of data from a given sensor which will be asked if this option is selected. It will also ask for a moment or a period of time that can be modified.
- **2. Identify areas with similar air quality:** Compare data from a sensor, which will be asked if selected, with all other sensors to assess similarities.
- **3. Analyze air quality around air cleaner for a given moment :** See the analysis of data from the sensors in the area around a given air cleaner which will be asked. It will ask for a given moment that can be modified.
- **4. Analyze air quality around air cleaner for a specified period of time :** See the analysis of data from the sensors in the area around a given air cleaner which will be asked. It will ask for a period of time that can be modified.
- **5. Analyze private individual's sensor informations:** See the analysis of data from the sensor of an individual which will be asked. It can then be classified as reliable or unreliable.
- **6. Identify a malicious personal user :** returns data about the private user chosen and about the sensors around so the agency can compare them and determinate if, in their judgment, the muser is malicious.
- **7. Exclude a privateIndividual:** enter the name of a privateIndividual they want to delete. His data won't be considered in the app from this moment.
- **8. Quit :** Exit the application.

Private Individual :

- **1. Analyze air quality :** See the analysis of data from the sensor you installed, at a given moment or period of time that can be modified.
- **2. See fidelity points** : Check your number of points awarded from the use of your data.
- **3. Quit :** Exit the application.

Providers :

- **1. Analyze air quality around air cleaner:** See the analysis of data from the sensors in the area around a given air cleaner which will be asked. It will ask for a moment or period of time that can be modified.
- **2. Quit :** Exit the application.

Support

If you encounter any issues or have questions about using AirWatcher, please refer to the documentation provided or contact our support team for assistance.