**ChinaVis Data Challenge 2021**

**Submission Document**

Name of the Team： Tianjin University - Zhangsan

Title： Visual Analytics of air pollution situation monitoring；

Keywords： Air pollution source analysis, Spatio-temporal analysis of the air pollution

Members： Zhang San，Tianjin University，[zs@tju.edu.cn](mailto:zs@tju.edu.cn)，Leader

Li Si，Tianjin University，[ls@tju.edu.cn](mailto:ls@tju.edu.cn)

Huang Wu，Tianjin University，[hw@tju.edu.cn](mailto:hw@tju.edu.cn)，Supervisor

Team member consistency of registration（Yes or No）：Yes

Student team（Yes or No）： Yes

Tools used (If you have your own developed tools, please specify)：D3，Excel，MySQL，Qt，CVASTer（Visual analytics tools developed by xxx teams）

Approximately how many hours were spent working on this submission in total? (Person \* Day)： 60 person day

May we post your submission online after ChinaVis Data Challenge 2020 is complete (Yes or No)? Yes

（Text in grey is the template, please fill in with your own information）

**1. General Introduction: Please specify the theme of the work, targeting problems/scenarios, target users/readers, potential social impact,etc.**（ No more than 500 words and 1 figure）

**2. Data Introduction: Please specify data source, data format, data rigor and quality, data cleaning, etc.**（No more than 500 words and 3 figures）

**3. Visual Analytics Tasks and Workflow**（No more than 500 words and 3 figures）

**4. Data Processing / Algorithms / Models, etc.**（No more than 1000 words and 5 figures）

**5. Visual Design and Interaction Design**（No more than 1500 words and 10 figures）

**6. Experiments / Usage Scenarios / Cases**（No more than 2000 words and 15 figures）

**7. Discussion and Summary**（No more than 500 words）