

Data depth analysis in medical field

My name is Shengyu.Liu (Student ID: 480505404), I am a student in school of computer science majoring in Data management and analysis. I am willing to apply the research pathway for next two semesters.

Data analysis is often associated with artificial intelligence, and they can accomplish the same tasks by using different tools and computations. My research direction is to clean up, structure and integrate the related data, so that the data is representative, which may be used related algorithms in artificial intelligence. Data analysis is a traditional calculation which looks only for results. To define a very large data sets, it can also display extreme diversity. The large data sets may include transaction data in relational databases as well as structured or unstructured data such as images, e-mail data and sensor data, etc. The data, which can be structured, also exist in the medical field so that the medical industry can be promoted by analyzing various data.

Na Liu is the supervisor whom I am willing to study with since I am keen on the project of data analysis in the medical field that Dr. Liu is researching now. My research goal will be compute and analyze data in the medical field in order to find reliable data and the corresponding problems. Aiming to fulfill this purpose, I'm going to collect data in local hospitals which is one of the most important stages following with the data analysis process. It is very important that relevant data is collected as the initial work of the whole project and will be updated frequently.

Fortunately, my supervisor, Dr. Liu, would like to supervise me by managing my research process and providing me with the diversity of research materials and resources. As a result, I could achieve my research goal.

My plan for this research project is to complete the whole process including data collection and data analysis next year. I will make all efforts and spend as much time as possible to ensure the reliability and validity of result.

It is grateful that Dr. Liu is willing to give me the opportunity to cooperate with her. This will be the most important experience in my study. I believe that I am going to acquire plenty of knowledge and expertise by the guidance and supervision of Dr. Liu. I am looking forward to complete the research project and make corresponding contributions to the medical field to some extent. It is my great honor to cooperate with Dr. Liu. Thank you for your time.