This is my latest work sample wherein I did skill mapping for Northeastern CPS Programs.

The sponsors of our data for XN (Experiential learning) was the assessment group of College of Professional Studies. We were provided an access to proprietary information about skills in 45 CPS courses that are offered by three CPS programs namely MS in project management, leadership and MSLDR sports leadership.

The sponsors business objectives were describing necessary skills (qualitative as well as quantitative) related to each program and to find out the differences and similarities in these skills amongst all the three programs. We will be accessing this using visualization tools like Tableau to present this data to CPS and involved parties like other administrators and Dean.

In order to achieve these objectives, appropriate data assessment was essential. Reading that data helped us to gauge the skills that these programs are able to impart students. There was possibility that certain skills are required to be further added in order to improve these programs. For e.g. Time management skills was a part of all the three programs. But time management skills have several components like prioritizing, planning, scheduling and goal setting. Focus on one factor in one program (say for prioritizing in project management) and on the other in another program (say for goal setting and planning in sports leadership) was a possibility.

Now, the type of data best suited for finding solutions to the sponsor’s problem was directly dependent on the objectives that we need to attain from the data. The objectives to be attained were:

* To assess skills associated with each program.
* Similarities and differences in these skills.
* Job skills related to these skills.
* Assisting students to assess the program that best suits their needs.
* Helping CPS to further improve the quality of their courses.

With the help of data reshaping and tableau presentations we gave a recommendation to the college as to how they can improve these courses.

NOTE: Though this project was a group work but it was very extensive. I contributed a lot to the assignment. All my contributions are mentioned in the zip file.