Summary of My DH Fellowship Program

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September 16, 2016

It was a great learning experience for me to participate in the SHU DH Fellowship Program. The following are the actions in relation to the proposed activities in my DH Fellow application in January 2016:

1. *Explore various open-source text visualization tools recommended by Dr. Danielle Mirliss, and those listed on the SHU DH home page.*

Action: Explored tools including Microsoft Power BI, Tableau, R, LIWC, and Voyant. I focused on using Power BI and Voyant tools to create data visualizations and perform text mining.

2. *Provide visualization examples of selected library databases (e.g., Gale's Artemis Literary Sources, and EBSCO's Academic Search Complete).*

Action: Created about 20 visualization examples by using the data from library KB, Analytics, and WorldCat Local. They can be accessed through my DH Blog and homepage. Here are three names of my visualization examples:
- A Quick Glance of Library Databases
- A Visual Comparison between Books Added (2003-2013) and All Books (2016) in the Main Collection of Walsh Library
- Analysis of Dr. John C. H. Wu's works by Bibliographic Features: Author, Language, Subject, and Publication Year

3. *Offer collaborative workshops to librarians, teaching faculty, and students to invite feedback and to generate new ideas on the visualization of bibliographic information from library databases.*

Action: Presented two workshops by using the knowledge learned from the DH Fellow experience.
- *Find Scholarly Works of John C.H. Wu through Library Databases: A Digital Humanity Approach* at Symposium in Honor of John C. H. Wu, Seton Hall University on April 21, 2016. It was attended by 50 people at least, and well received. One of the many positive feedbacks stated: "Your presentation was fantastic. It was so exciting to see how you are mastering Power BI and had so many different 'perspectives' to show the audience today."
- *Interactive Visualization of Bibliographic Information from Library Databases: A Digital Humanities Project* to seek feedback from colleagues on July 7, 2016. More than ten librarian colleagues attended the session and we had good discussions on how to make visualizations useful in library instructions. It is a challenging undertaking.

4. Create an appropriate blog to share the ideas beyond the funding of this project.

Action: Created a DH Blog with the help of Mr. Tom McGee, Sr. Digital Media Specialist. The URL is http://blogs.shu.edu/dhgrants/category/projects/visualization-of-bibliographic-information-from-library-databases/. I would like to thank Tom for his expertise and patience.

5. Recommend a new methodology for librarians to use in their instruction by August 31. 2016.

Action: I recommended Power BI to my librarian colleagues in the seeking feedback session on July 7, 2016. Also, a librarian colleague expressed an interest in analyzing a series of articles recently. I recommended Voyant tools to her for text mining. She was excited when I showed her how it looked like with one of her articles in Voyant.

6. Attend monthly meetings to discuss progress/challenges/ideas among the DH faculty fellows and with members of the DH committee.

Action: I attended all the DH fellow meetings including (1) a monthly meeting, February 4, 1-2 pm, (2) DH workshop on R, March 9, 9-10:30 am, (3) a monthly meeting, March 22, 1-2 pm, (4) a monthly meeting, April 14, 1-2, and (5) DH Seminar, May 26, 12:30-3:30 pm. It is the highlight of my DH Fellow experience to meet other DH fellows to exchange our ideas, challenges, and solutions.

7. Present the project at a TLTR Best Practices Showcase in the academic year following the award.

Action: I love to have the opportunity share my DH Fellow project with Seton Hall University community.

Beyond the DH Fellowship Program:

I have applied and been recommended for the Fulbright Specialist Program. The National Science Library of Chinese Academy of Sciences is in the process of applying for Fulbright host institution and inviting me to provide a series of workshops on data visualizations and data/text mining. I plan to take a sabbatical leave in Fall semester 2017 to conduct research on the state of DH and Libraries in China.

Also, I have submitted VALE BREAKOUT Session Proposal entitled "Create Interactive Visualizations for Library Instruction Classes" for the annual meeting on January 6, 2017. VALE stands for Virtual Academic Library Environment of New Jersey. It is an academic library consortium and holds its annual assembly meeting in Rutgers every January.

Finally, I would like to thank the DH Committee for accepting my DH Fellow application so that I had an opportunity to grow in my faculty development.