Web Programming Assignment #1

- Making my own home page -

1. Summary

- **Main goal**: Create your home page based on various HTML5 tags (30 points)

- Must utilize semantic layout tags (10 points)

- Must generate 3 or more html files (10 points)

- Enable to move between files by utilizing anchor tags (5 points)

- **(mandatory)** "table tag", "anchor tag", "list tag", "image tag" (20 points), additional point (10 points)

- **(optional)** other tags (5points)

- Hosting your home page (10 points)

2. Semantic layout tags

- You must utilize semantic layout tags to design your page

- (mandatory) header tag, nav tag, section tag, article tag, footer tag

Figure 1. Example of utilizing semantic layout tags

3. Multiple pages

- You must generate 3 or more html file (.html)

  - ■ (main page) home.html

    - ◆ Table tag – component: your picture and affiliation (with absolute reference)

      Assistant Professor
      Dept. of Data Science,
      College of Software Convergence,
      Sejong University
      [Doctoral Thesis], [CV]

    - ◆ Internal reference

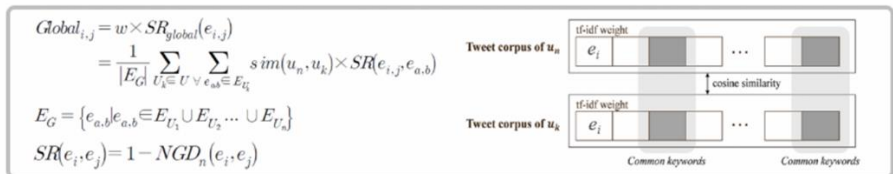   **Text mining based on Entity Linking**

      I. Entity linking for short textual data (complete)

      - recommender systems
      - text mining based on entity linking
      - big data analytics
      - smart farm software

      click

      - ■ Extended the corpus of target users to utilize data from highly similar users and improve the linking accuracy
        - ○ Existing research extended the corpus to deploy only a set of user's own data
        - ○ Utilized the corpus of highly similar users for extending corpus To solve data sparseness issue
        - ○ Validated that this method improved the linking accuracy

      $$Global_{i,j} = w \times SR_{global}(e_{i,j})$$
      $$= \frac{1}{|E_G|} \sum_{U_i \in U} \sum_{e_{a,b} \in E_{U_i}} sim(u_n, u_k) \times SR(e_{i,j}, e_{a,b})$$
      $$E_G = \{e_{a,b} | e_{a,b} \in E_{U_1} \cup E_{U_2} \cdots \cup E_{U_n}\}$$
      $$SR(e_i, e_j) = 1 - NGD_n(e_i, e_j)$$

      Tweet corpus of u_n — tf-idf weight — e_i — cosine similarity

      Tweet corpus of u_k — tf-idf weight — e_i — Common keywords — Common keywords

      A framework for entity linking for short textual data (complete)

    - ◆ List tags (e.g., ul or ol tags with attribute)

      - 2019.03 ~ present, Assistant professor, Dept. of Data Science, Sejong University
      - 2018.09 ~ 2019.02, Post-doc, Computer & Information security, Sejong University
      - 2018.03 ~ 2018.08, Research professor, Computer, information & communication research institute, Korea University
      - 2012.03 ~ 2018.02, Ph.D. Computer Science & Engineering, Korea University
      - 2008.03 ~ 2012.02, B.S. Dept. of Computer & communication engineering, Korea University

      Figure 2. basic list

      - ■ Discovering a set of similar short textual data, not users
        - ○ Finding data of target user and other users that are similar to the target data
        - ○ Unnecessary short textual data is not included in the data set, which is regarded as a corpus
        - ○ Only contain relevant data in a corpus
        - ○ The meaning of entity is extracted by this corpus

      Figure 3. (additional point) if you use style attribute

    - ◆ Contact information – email address (with font awesome image)

      Contact Information

      - 209, Neungdong-ro, Gwangjin-gu, Seoul, 05006, Republic of Korea.
      - +82-2-6935-2483
      - mysid88@sejong.ac.kr
      - © 2019 by Young-Duk Seo

  - ■ 2 or more html files (e.g., pictures, hobbies, SNS or more)

    - ◆ (mandatory) image tag

    - ◆ (additional point) If you utilize graphical reference (e.g., your SNS link)

4. **Link to the other pages**

   - It is possible to move among pages based on anchor tags (relative reference)

     ■ All html files have a nav tag

     Home Research Interests Publications Pictures Hobbies

5. **(Optional) using various tags**

   - It is bonus point because you can use any tags, such as heading tag, p tag, bold tag, media tag, etc.

6. **Hosting your page**

   - Hosting your page to Github