

Batch 6 - Project (it has **FOUR deliverable components; this is a TEAM assignment, except for the second component listed in this document; the second component is an individual component.)**

- Team size: 4-6, preferably 5.
- Teams across sections are not allowed

Project Title: Analyzing patents data

Objective of the project: Using the techniques discussed in the class, discover valuable insights through mining the patent data provided on the course website.

The dataset consists of two csv files – 1) Patents_2004.csv, 2) citations_2004.csv.

Please refer to the data descriptions file in order to understand the contents of the dataset. The following sites, for example, <http://www.nber.org/patents/>, <http://siccode.com/>, <http://www.wipo.int/classifications/ipc/en/>, etc., may also be useful for better understanding of the data. You are more than encouraged to refer to any other publicly available resources to familiarizing yourself with the domain. If necessary, you may also use any secondary data or knowledge to substantiate your findings or interpretations of what you find in the data.

1. Deliverables for the project presentation (Teamwork; presentation during Session 06; upload slides—in **PDF format only—on the LMS, at least, 15 minutes before the session begins)**

- Duration of the presentation: **up to 7 minutes**
- Slide 1 (title, team members)
- In no more than 5 slides discuss your current **findings, methodology used, social & business value of the findings**
- **Be very precise and focus on educating your peers about your team's approach and justifying the insights that you are presenting to them.**
- **You are discouraged to use your own machine to present in the class. Please bring a copy of the PDF version of the slide deck in a pen drive and use the machine in the classroom for presentation.**
- Anyone in the team or more than one member in the team can present. It is absolutely up to the team to decide. However, all team members are advised to be present in the class during the presentation.

2. **Evaluating other teams (Individual work; during Session 6):** You are **required** to evaluate others' presentations, as well. You'll be given a specific evaluation format during the class for this purpose. Please bring your own laptop. You'll have to submit your evaluation online as the presentations by different teams proceed. **You should not evaluate your own team.**
3. **Deliverables for the intermediate project report (Teamwork; upload report—in **PDF** format only—on the LMS, at least, 15 minutes before the beginning of Session 06)**

Page 1 (cover page)

- Title of the project
- List of team members
- Executive Summary (in no more than 500 words)

In up to 5 pages, excluding the cover page, present the insights that you find worth sharing

- Describe the key **insight** in not more than one sentence
- **Steps** (data processing, tools used, parameters chosen, etc.) to reproduce the insight
- **Social & business values** of the insight(s) to specific **stakeholders**
- How the value of those insights can be harnessed—implementation/deployment issues, by the stakeholder in this exercise. Additional recommendations, if any.
- **Please do not clutter your project report with insignificant insights as it will only dilute the value of other significant findings from your analysis**
- Bullet points are acceptable in this version. However, “bullets points only” like writing are strongly discouraged in the final, professional version.

Appendix (if necessary, you may add some tables, charts, etc.)

4. **Deliverables for the final project report (Teamwork; submit report—in **PDF** format only—on the LMS by the last day of the term)**

- Should follow the same guidelines as in intermediate project report, except that for the final report you may use up to 10 pages.
- Should be a significantly improved version of the intermediate report with all comments and feedback, received during presentation from peers and instructor, incorporated
- Bullets-points-only like writing style are strongly discouraged in the final, professional version.
- The writing quality must be of professional quality that confirms to business writing standard.

After submission, team members may be asked to fill a peer evaluation report, if multiple team members indicate insufficient contribution of a member. Appropriate penalty will apply to concerned members in such a case.