```python
In [1]:   import os
          import pandas as pd
```

```python
In [2]:   path = 'datascience.stackexchange.com'
          files = os.listdir(path)
          files
```

```
Out[2]:   ['Badges.xml',
           'Comments.xml',
           'PostHistory.xml',
           'PostLinks.xml',
           'Posts.xml',
           'Tags.xml',
           'Users.xml',
           'Votes.xml']
```

```python
In [3]:   # Extracting the columns
          columns = dict()
          max_columns = 0
          for file in files:
              columns[file] = list(pd.read_xml(path + '/' + file).columns)
              if len(columns[file]) > max_columns: max_columns = len(columns[file])

          # Ranking the columns
          ranking = dict()
          for file in files:
              cols = columns[file]
              for col in cols:
                  if col in ranking: ranking[col] += 1
                  else: ranking[col] = 1

          rank_list = []
          for col in ranking: rank_list.append([ranking[col], col])
          rank_list.sort(reverse=True)
          rank_list = [i[1] for i in rank_list]

          for file in columns:
              aval_columns = columns[file]
              x = []
              for col in rank_list:
                  if col in aval_columns: x.append(col)
              columns[file] = x + [""] * (max_columns - len(x))
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```python
col_pd = pd.DataFrame(columns)
col_pd['index_col'] = ['Field '+str(i) for i in range(1, max_columns+1)]
col_pd.set_index('index_col', inplace=True)
col_pd
```

| index_col | Badges.xml | Comments.xml | PostHistory.xml | PostLinks.xml | Posts.xml | Tags.xml | Users.xml | Votes.xml |
|---|---|---|---|---|---|---|---|---|
| Field 1 | Id | Id | Id | Id | Id | Id | Id | Id |
| Field 2 | UserId | CreationDate | CreationDate | CreationDate | CreationDate | WikiPostId | CreationDate | CreationDate |
| Field 3 | TagBased | UserId | UserId | PostId | ContentLicense | TagName | WebsiteUrl | UserId |
| Field 4 | Name | PostId | PostId | RelatedPostId | Score | ExcerptPostId | Views | PostId |
| Field 5 | Date | ContentLicense | ContentLicense | LinkTypeId | ViewCount | Count | UpVotes | VoteTypeId |
| Field 6 | Class | UserDisplayName | UserDisplayName | | Title | | Reputation | BountyAmount |
| Field 7 | | Text | Text | | Tags | | ProfileImageUrl | |
| Field 8 | | Score | RevisionGUID | | PostTypeId | | Location | |
| Field 9 | | | PostHistoryTypeId | | ParentId | | LastAccessDate | |
| Field 10 | | | Comment | | OwnerUserId | | DownVotes | |
| Field 11 | | | | | OwnerDisplayName | | DisplayName | |
| Field 12 | | | | | LastEditorUserId | | AccountId | |
| Field 13 | | | | | LastEditorDisplayName | | AboutMe | |
| Field 14 | | | | | LastEditDate | | | |
| Field 15 | | | | | LastActivityDate | | | |
| Field 16 | | | | | FavoriteCount | | | |
| Field 17 | | | | | CommunityOwnedDate | | | |
| Field 18 | | | | | CommentCount | | | |
| Field 19 | | | | | ClosedDate | | | |
| Field 20 | | | | | Body | | | |
| Field 21 | | | | | AnswerCount | | | |
| Field 22 | | | | | AcceptedAnswerId | | | |