# ETEC 543 Task 2A

I’ve discovered that there are *many* sources of potentially valuable student data that we are collecting at VCC. To keep things to a manageable length, I go into detail on four of these (the ones I am most involved with), and provide a summary table for eight other sources.

**Platform**: The LMS (Moodle)

**Attributes**: Here is an incomplete list of the types of student data that Moodle captures:

* Interactions with the passive content (reading a page, watching a video, clicking a link) – which students have seen a resource, and how many times
* Student interactions with peers, via Moodle Messaging, Moodle Chat (a synchronous chatroom tool)
* Student interactions with the instructor, via Moodle Messaging, Moodle Chat
* Posts to discussion forums – numbers of posts and the actual contents of posts
* Responses to others’ posts – both frequency of response and the actual responses
* Ratings of others’ posts – where enabled
* Submissions to assignments – whether file based or online text entry
* Online Quiz answers and whether these matched the correct answer
* Activity Completion – whether an individual activity is marked complete (by the student or by Moodle)
* Grades per activity and overall
* Enrolment lists – A full list of participants in a course
* Last Accessed – the hours since a participant last accessed the course

**Levels of Analytics**

The Moodle data best corresponds to the **Course level** in Long & Siemen’s categorization. Instructors can make use of this data to identify struggling or at-risk students and to provide extra support. They can also identify areas of the curse that require improvement, and learning objectives that are not being met.

The data is also useful at a **Departmental level**: Department leadership may make cross-course comparisons, esp. for things like enrolments, though this data will more likely come from the SIS.

**Update Frequency**

* The Moodle data is updated in real time. Reports run within Moodle itself will generate real-time information.

**Ownership and storage**

* The data is stored in our Moodle cloud-based hosting service, presently located in Kamloops and Montreal.
* Access to the Moodle data is available at a course level by the Course Instructor
* Overall Moodle data is managed by the eLearning Team in the Centre for Teaching, Learning, and Research (CTLR)

**Platform**: The Student Information System (Banner)

**Attributes**

* Student demographics
* Student prior achievement
* Enrolments by course and program
* Drop out and transfer data

**Level of Analytics**

The data in Banner is primarily useful at **Departmental** and **Institutional levels**. Departments can use the data to see where to assign faculty and where to create new sections of a popular course, as well as using prior learning as an entrance criterion for a course. VCC admin can use the data to identify enrolment and dropout rates. Drop out rates would also be useful at **regional** and **national** levels.

**Update Frequency**

* Banner data is refreshed hourly.

**Ownership and storage**

* I am not sure where the data is stored, although I believe that Banner is hosted on-site, rather than in the cloud.
* Access to Banner is controlled by the Academic Scheduling team.

**Platform**: Cloud-based video (Kaltura)

**Attributes**

* Videos viewed
* Videos uploaded
* View time for a video
* Transcripts from uploaded videos

**Level of Analytics**

The most likely use of the Kaltura data will be at the **Course** **level**. Instructors will want to know which of their videos have been viewed and for how long, and which students have created and uploaded their own video content.

**Update frequency**

* Kaltura stats ate updated in real time.

**Ownership and storage**

* The data is stored off-site in our video cloud service.
* The system is managed by the eLearning Team in the Centre for Teaching, Learning, and Research (CTLR), and also by off-site support at BCNet.

**Platform**: Videoconferencing (Zoom)

**Attributes**

* Transcripts from recorded lectures
* Transcripts of chats
* Transcripts of Q&A
* Participants lists

**Level of Analytics**

Zoom data will be useful at the **Course level**, allowing instructors to see attendance lists for virtual lectures, as well as the questions and discussions that happened at these lectures.

**Update frequency**

* Zoom data is usually updated within an hour of a video being uploaded. Data capture relies on the video being recorded.

**Ownership and storage**

* Users can record video locally or to the Zoom cloud. Locally recorded videos are uploaded to Kaltura (see above).
* The system is managed by the eLearning Team in the Centre for Teaching, Learning, and Research (CTLR), and also by the VCC IT department.

**Other Sources**

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| --- | --- | --- | --- | --- |
| **Platform** | **Attributes**  | **Level (after Long & Siemens)** | **Update frequency** | **Owners and location** |
| **Library System** | LoansTerm of loanInteractions with library support materials | Departmental: Ability to see which texts have been borrowed, and which students have not used the library to source program information | Real time | Library ServicesOnsite |
| **Academic Advising** | Interactions with the advisers | Departmental: Which programs have seen the most students seeking academic advising helpInstitutional: Overall, which students seek help? Are there patterns by program, by demographic? | Unknown | Academic AdvisingPaperbased, onsite |
| **Indigenous advising** | Interactions with the advisers | Departmental: InstitutionalRegionalNational | Unknown | Indigenous AdvisingPaperbased, onsite |
| **Disability Services** | Requests for accommodationRequests for tech support | DepartmentalInstitutionalRegionalNational | Unknown | Disability ServicesAccessibility CommitteePaperbased, onsite |
| **MS Teams** | Interactions with peersInteractions with instructorsDocuments submittedDocuments downloaded | Course levelDepartmental | Real time | Teams channel ownersITIn the Office cloud |
| **VCC Twitter/X** | Tweets likedTweets retweeted@VCC tagged | Institutional | Real time | Twitter adminCommunications/MarketingStored by Twitter/X |
| **VCC Facebook** | Posts seenPosts likedPosts sharedReplies to posts | Institutional | Real time | Facebook adminCommunications/MarketingStored by Meta |
| **VCC Website** | Hits per program areaTime spent on a page | DepartmentalInstitutional | Real time | Communications/MarketingStored by our web hosting service |