| Feature: | Description: | Interpretation: | Notes/ToDo/Viz |
| --- | --- | --- | --- |
| **General:** | * Individual Plots to get specifics for important relationships * Rename & add features | | |
| **Y:** |  |  |  |
| grade |  | Most Students receive 0 |  |
| certified:  administrative, 0/1 | anyone who earned a certificate. Certificates are based on course grades, and depending on the course | grade:   * “the cutoff for a certificate varies from 50% - 80%” |  |
| letter\_grade: NEW |  |  |  |
| **X:** |  |  |  |
| explored: administrative, 0/1 | anyone who accessed at least half of the chapters in the courseware tab | grade:  How many in each? | ToDo/Viz:  Heat Map |
| ndays\_act:  administrative | number of unique days student interacted with course | grade:   * ndays\_act > 75: higher grade ranges * (ndays\_act > 75) & (grade < 0.2): don't plan on completing deliverables, perform poorly * outliers: (ndays\_act > 75) & (grade = 0): don't plan on completing deliverables | ToDo/Viz:  Heat Map  Note:  outliers |
| nplay\_video:  administrative | number of play video events within the course | grade:  Looks useless? | Notes:  Looks useless?  Course specific  ToDo: Normalize -  % played |
| nchapters:  administrative | number of chapters (within the Courseware) with which the student interacted. | grade:   * ([0.2 <= grade <=1] |   [nchapters > 0])   * ([0 <= grade <= 0.9] |   [4 <= nchapters <= 8])   * ([grade => 0.9] | [8 <= nchapters <= 21]) * \*\*Seems as the 21 chapters was the limit at some point * After limit: ?????​ | Notes: Course specific ToDo:   * Normalize -   % complete   * \*\*Further Investigation |
| nevents:  administrative | number of interactions with the course, recorded in the tracking logs | grade:   * ([grade range rises] | [nevents >= #?]) | ToDo:  \*\*HeatMap  ploting w visable x-axis  Note: outliers |
| nforum\_posts: administrative | number of posts to the Discussion Forum | grade:  most people post < 5x, | ToDo:  dist on grade range |
| final\_cc\_cname\_DI: administrative & user | continent/region name of IP address |  |  |
| LoE:  user-provided | highest level of education completed. “Less than Secondary,” “Secondary,” “Bachelor’s,” “Master’s,” and “Doctorate.” | grade:  type: Make numeric |  |
| YoB: user-provided | year of birth | grade:   * pheno: large dist on ages is mooc plat. - not traditional college environment * bimodal dist @ # age? * Weird Outliers | ToDo:  find bimodal & outlier ages |
| gender: user-provided | m (male), f (female) and o (other) |  |  |
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|  |  |  |  |
| **New:** |  |  |  |
| course\_code |  |  | ToDo:  Heat Map for subject interests |
| semester(hand label?) |  |  |  |
| age\_range |  |  |  |
| institution |  |  |  |
| chapter\_rate |  |  |  |
| \*\*\*full\_title?? |  |  |  |
| \*\*\*short\_title |  |  |  |
| duration |  |  |  |
| age |  |  |  |
| **Removed:** |  |  |  |
| start\_time\_DI:  administrative | date of course registration |  |  |
| last\_event\_DI:  administrative | date of last interaction with course |  |  |
| start\_year |  |  |  |
| u'result' |  |  |  |
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