|  |  |  |  |
| --- | --- | --- | --- |
| Event type, per user, per video | Forward direction | Backward direction | Ratio forward/backward |
| Number of seek chains | 0.74 | 0.66 | 1.1 |
| Seconds of video seeked over | 100 | 36 | 2.8 |
| Average seek chain length (in seconds) | 128 | 51 | 2.5 |
| In-video quiz crossed by seek chain | 0.06 | 0.09 | 0.7 |
| Slide boundary crossed by seek chain | 0.57 | 0.20 | 2.8 |

|  |  |  |
| --- | --- | --- |
| Event type, per user, per video | Forward seek | Backward seek |
| Number of seek chains | 0.74 | 0.66 |
| Average seek chain length (in seconds) | 128 | 51 |
| Seconds of video seeked over | 100 | 36 |
| Slide boundaries crossed by seek chain | 0.57 | 0.20 |
| In-video quizzes crossed by seek chain | 0.06 | 0.09 |
| Seconds of video seeked over, normalized by # of seconds in the video | 0.15 | 0.06 |
| Slide boundaries seeked over, normalized by # of slide boundaries in video | 0.19 | 0.06 |
| In-video quizzes seeked over, normalized by # of quizzes in video | 0.07 | 0.10 |

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| --- | --- | --- |
| Event type, per user, per video | Forward seek | Backward seek |
| Number of seek chains | 0.74 | 0.66 |
| Average seek chain length (in seconds) | 128 | 51 |
| Seconds of video seeked over | 100 | 36 |
| Slide boundaries crossed by seek chain | 0.57 | 0.20 |
| In-video quizzes crossed by seek chain | 0.06 | 0.03 |
| Seconds of video seeked over, normalized by # of seconds in the video | 0.15 | 0.06 |
| Slide boundaries seeked over, normalized by # of slide boundaries in video | 0.19 | 0.06 |
| In-video quizzes seeked over, normalized by # of quizzes in video | 0.06 | 0.04 |

|  |  |
| --- | --- |
| Event type | value |
| Forward seek chains |  |
| Total # of forward seek chains | 1169873 (55.6% of seeks) |
| Average length of a forward seek chain, in seconds | 129 seconds |
| Average # of times each second of video was seeked forward over | 2153 (baseline forward seek rate) |
| # forward seek chains crossing slide transitions (339 slide transitions total) | 909675 (43.2% of seeks) |
| # forward seek chains crossing each slide transition | 2683 (1.25x baseline) |
| # forward seek chains crossing quizzes (109 quizzes total) | 98613 (4.69% of seeks) |
| # forward seek chains crossing each quiz | 905 **(0.42x baseline)** |
| Backward seek chains |  |
| Total # of backward seek chains | 933463 (44.4% of seeks) |
| Average length of a backward seek chain, in seconds | 54 seconds |
| Average # of times each second of video was seeked backward over | 719 (baseline backward seek rate) |
| # backward seek chains crossing slide transitions (339 slide transitions total) | 301129 (14.3% of seeks) |
| # backward seek chains crossing each slide transition | 888 (1.24x baseline) |
| # backward seek chains crossing quizzes (109 quizzes total) | 47184 (2.24% of seeks) |
| # backward seek chains crossing each quiz | 432 **(0.60x baseline)** |

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| --- | --- |
| Event type | value |
| Forward seek chains |  |
| Total # of forward seek chains | 1169873 (55.6% of seeks) |
| Average length of a forward seek chain, in seconds | 129 seconds |
| Average # of times each second of video was seeked forwards over | 2153 (baseline forward seek rate) |
| # forward seek chains crossing quizzes (109 quizzes total) | 98613 (4.69% of seeks) |
| # forward seek chains crossing each quiz | 905 **(0.42x baseline)** |
| Back seek chains |  |
| Total # of back seek chains | 933463 (44.4% of seeks) |
| Average length of a back seek chain, in seconds | 54 seconds |
| Average # of times each second of video was seeked back over | 719 (baseline back seek rate) |
| # back seek chains crossing quizzes (109 quizzes total) | 47184 (2.24% of seeks) |
| # back seek chains crossing each quiz | 432 **(0.6x baseline)** |

|  |  |
| --- | --- |
| Event type | value |
| Forward seek chains |  |
| Total # of forward seek chains | 1169873 (55.6% of seeks) |
| Average length of a forward seek chain, in seconds | 129 seconds |
| Average # of times each second of video was seeked forward over | 2153 (baseline forward seek rate) |
| # forward seek chains crossing quizzes (109 quizzes total) | 98613 (4.69% of seeks) |
| # forward seek chains crossing each quiz | 905 **(0.42x baseline)** |
| Backward seek chains |  |
| Total # of backward seek chains | 933463 (44.4% of seeks) |
| Average length of a backward seek chain, in seconds | 54 seconds |
| Average # of times each second of video was seeked backward over | 719 (baseline backward seek rate) |
| # backward seek chains crossing quizzes (109 quizzes total) | 47184 (2.24% of seeks) |
| # backward seek chains crossing each quiz | 432 **(0.60x baseline)** |