**Table 1**. Participation rate for 2012 and 2013.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | 2012 | | | | 2013 | | | |
| Class | Class 6 (SWC) | Class 6 (APK) | Class 7 (SWC) | Class 7 (APK) | Class 2 (SWC) | Class 2 (APK) | Class 3 (SWC) | Class 3 (APK) |
| Most responses | 157 | 137 | 143 | 112 | 115 | 242 | 166 | 267 |
| Least responses | 144 | 106 | 126 | 90 | 87 | 199 | 132 | 204 |
| Average responses | 150.73 | 123.69 | 133.44 | 102.75 | 108.93 | 229.93 | 153.37 | 250.08 |
| Response rate as a % | 96% | 90% | 93% | 91% | 95% | 95% | 92% | 94% |

**Table 2**: Attitudes towards the use of clickers 2012 and 2013

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2012 Non-peer mean | 2012 Peer  mean | 2012 Difference  in means | 2013 Non-peer  mean | 2013 Peer  mean | 2013 Difference  in means |
| Enjoyment | 3.25 | 3.01 | -0.24 | 3.06 | 2.94 | -0.12 |
| Attention | 2.97 | 3.28 | 0.31 | 2.99 | 3.09 | 0.10 |
| Understanding | 3.11 | 3.22 | 0.11 | 3.10 | 3.05 | -0.05 |

**Table 3**: Combined attitude towards the use of clickers

|  |  |  |  |
| --- | --- | --- | --- |
|  | Non-peer mean | Peer mean | Difference in means |
| Enjoyment | 3.15 | 2.98 | -0.17 |
| Attention | 2.98 | 3.19 | 0.21 |
| Understanding | 3.11 | 3.14 | 0.03 |

**Table 4**: Correct answers both pre-interaction and post interaction for 2012 and 2013

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2012 Class 6 | 2012 Class 7 | 2013 Class 2 | 2013 Class 3 |
| Correct answers pre interaction | 61% | 58% | 60% | 64% |
| Correct answers post interaction | 73% | 63% | 69% | 72% |
| Difference in pre and post interaction | 12% | 5% | 9% | 8% |

**Table 5**: Pre and post peer interaction during concept test questions for 2012 and 2013

|  |  |  |  |
| --- | --- | --- | --- |
|  | Total 2012 | Total 2013 | Combined Total |
| Correct answers pre interaction | 60% | 62% | 61% |
| Correct answers post interaction | 68% | 71% | 69.5% |
| Difference in pre and post interaction | 8% | 9% | 8.5% |

**Table 6**: Class test scores for 2012 and 2013

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2012 Classes Average  correct answers | 2013 Classes average  correct answers | Combined |
| Non-peer instruction | 49% | 60.4% | 54.7% |
| Peer instruction | 58% | 60.8% | 59.4% |
| Difference between non-peer and peer instruction | 9% | 0.4% | 4.7% |

**Figure 1**. Conducting other classes using non-peer and peer instruction for 2012 and 2013.