# Commentary to support marking

Mathematics SL IA May 2014

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| **Criterion** | **Mark** | **Out of** | **Justification** |
| **A** | 4 | 4 | Coherent, concise and well organised  Flows well  Clear Aim and rationale |
| **B** | 2 | 3 | Tables, graphs and charts appropriate although lack of colour on pie-charts and poor formatting (p9) detracts from their readability (penalised here and not in A)  [Student should have turned in Colour Copy!] |
| **C** | 3 | 4 | Personal interest in topic clearly demonstrated  Did own research to get required values  Some independent thought  Failed to make the intended links consistent with aim (penalised here not in A)  P7 Compares different cultures (what is normal?) |
| **D** | 3 | 3 | Discusses weaknesses of approach – small sample size etc  Considers real-world social implications of results (p7)  Considers the issue of Causation implying Correlation  Questions the validity of data from internet sources  Considers possible extensions |
| **E** | 4 | 6 | Some errors in carrying out the t-test and the interpretation of the results demonstrates a lack of understanding  P5 – not clear why student chooses n-1 formula for SD rather than n  t-test not on SL course but commensurate  Error in Ratio P8-9 – ratio represents the Average woman: model and not model: Average woman  Student does not fully explain use of R^2 value and therefore understanding not demonstrated |
| **Total:** | 16 | 20 |  |