Appendix A: A Note on First Destination Statistics

The first destinations statistics for all graduates are published annually by the Higher Education Statistics Agency. The full subject breakdowns can be found on the Prospects web-site (www.prospects.ac.uk). The information is collated by careers advisers at every university and relates to destinations recorded six months after graduation. The most recent survey available is for 2002. In that year there were 5095 history graduates of whom 4375 were included in the survey. There were slightly more women (52.7%) than men. Of those surveyed, 51.6% were in UK employment, 2.3% in overseas employment, 14.3% were studying in the UK for a higher degree, 6.4% were studying in the UK for a teaching qualification, 8.2% were undertaking further study or training in the UK, 0.6% were studying or training overseas, 7.6% were not available for employment, study or training, 8% were believed to be unemployed, and 1.1% were seeking employment, study or training but not unemployed.

The breakdown of the jobs of those employed in the UK was as follows: marketing, sales, PR and advertising 4.5%, commercial, industrial and public sector managers 13%, scientific research, analysis and development occupations 0.1%, health professionals 0.1%, teaching professionals 1.7%, business and finance professionals 2.7%, IT professionals 0.8%, nursing and health associate professionals 0.3%, business and financial associate professionals 3.5%, media, literary, design and sports professionals 3.3%, other professional, associate professional and technical occupations 7.7%, numerical clerks and cashiers 4.7%, other clerical and secretarial occupations 28.6%, retail assistants, catering, waiting and bar staff 13.7%, health and childcare related occupations 4%, armed forces and public protection service occupations 1.2%, other occupations 8.1%, unknown occupations 1.2%. Despite the diversity of first employment destinations, it can be seen that three sectors preponderate, accounting together for over 55% of first jobs – namely, the clerical, retail and managerial sectors – while aggregating the several types of 'professional' employment produces a fourth, accounting for a further 20%.

The proportions of history graduates going into UK employment and on to further study have remained fairly constant for at least the past fifteen years at around 50% and 30% respectively. History has a strong record in terms of the percentage of its students going on to postgraduate study – one reason why the first destination statistics give us only a partial insight into final careers. A history degree is clearly a sound basis for further career development with many of its graduates taking up vocational training in such areas as law, accountancy, journalism, librarianship, teaching and IT. Unemployment, which declined in the late 90s, has begun to rise again since the turn of the century but is still below what it was in 1995.

As a consequence of the expansion of higher education at least 1 in 3 of all graduates (i.e. not just history) is now competing with non-graduates in the wider labour market. Indeed, it has been calculated that as many as 42% of graduates go into non-graduate occupations on graduation. The percentage may be even higher for history. The categories used in the first destination statistics are not sufficiently discriminating to allow for a precise calculation but, on the evidence of employment in the administrative, clerical and retail categories, it would appear that nearly half of the history graduates who enter employment more or less straightaway take on 'non-graduate' work initially. Moreover, although the first destination statistics distort the picture of longer term career prospects, there is nevertheless some correlation between early unemployment and poor job quality at a later remove. However, as Lee Harvey

argues ('Defining and Measuring Employability'), arguments about the value of the current performance indicators miss the key point about employability, namely, that it is about much more than getting a job; rather, it is about an approach to education and desirable for pedagogic reasons, and the current performance indicators are certainly not designed to help with enhancing employability in any real sense.

For further discussion of the changes in the first destinations of history graduates in recent years and in patterns of employment three years after graduation, see D. Nicholls, 'What's the Use of History? The Career Destinations of History Graduates', available at http://www.hca.heacademy.ac.uk/history/h-journal.php.

Appendix B: Sample Questionnaire

Questionnaire – Graduates of 2000

Please answer all the questions, which are on both sides of the two pages, as fully as possible. They require you either to tick a box, answer on a scale from 1 to 5, or give a written response.

Section A: About yourself

| A.1 Date of birth (dd//mm//yy): | A.2 Gender (M/F): |
|---|------------------------------------|
| A.3 University: | A.4 Age entered university:years |
| A.5 Degree title (in full): | A.6 Classification: |
| A.7 Details of postgraduate study (if any | y): |
| A.8 Current job title: | |
| A.9 Length of time (years and months) in | n current job:(yrs)(mnths.) |
| A.10 Do you see your current job as tem | porary or permanent? Temporary [] |
| | Permanent [] |
| A.11 If temporary, what career are you a | iming for? |
| | |
| | |

Section B: About your skills

- B. 1 (a) Please indicate, on a scale of 1 (poor or non-existent) to 5 (highly developed), your proficiency in the following transferable/employability skills resulting from your experiences at school, university and in employment respectively.
- (b) How important has studying *History* in particular been in helping you develop these skills? Please indicate on a scale from 1 (not at all) to 5 (extremely important) in the end column:

| | Sixth Form | University | Employment | History |
|--|------------|------------|------------|---------|
| ability to work independently | | | | |
| ability to work cooperatively as part of a | | | | |
| team | | | | |
| reading skills | | | | |
| oral skills | | | | |
| numeracy skills | | | | |
| writing skills | | | | |
| presentational skills | | | | |
| ability to think creatively | | | | |
| ability to reflect, assess situation & adapt | | | | |
| preparing/researching before acting | | | | |
| learning how to learn | | | | |
| time management/ability to meet deadlines | | | | |
| ability to collect & record data | | | | |
| ability to structure & synthesise data | | | | |
| ability to evaluate reliability of | | | | |
| data/arguments | | | | |
| ability to identify problems & implement | | | | |
| solutions | | | | |
| managing several tasks at same time | | | | |
| leadership/responsibility | | | | |

| decision-making | | |
|---|--|--|
| IT skills - word processing | | |
| - using databases | | |
| - creating databases | | |
| creating spreadsheets | | |
| - using internet | | |
| other (please specify) | | |
| | | |
| | | |
| | | |

B.2 Which skills have been most required in your current work? Please indicate by adding a number from 1 (not at all) to 5 (extremely necessary) against each skill in the following list:

| ability to work independently | |
|--|--|
| ability to work cooperatively as part of a | |
| team | |
| reading skills | |
| oral skills | |
| numeracy skills | |
| writing skills | |
| presentational skills | |
| ability to think creatively | |
| ability to reflect, assess situation & adapt | |
| preparing/researching before acting | |
| learning how to learn | |
| time management/ability to meet deadlines | |
| ability to collect & record data | |
| ability to structure & synthesise data | |
| ability to evaluate reliability of | |
| data/arguments | |
| ability to identify problems & implement | |
| solutions | |
| managing several tasks at same time | |
| leadership/responsibility | |
| Decision-making | |
| IT skills - word processing | |
| - using databases | |
| - creating databases | |
| - creating spreadsheets | |
| - using internet | |
| other (please specify) | |
| | |
| | |
| | |

B.3 Did you develop any of these skills in whole or in part outside school/university/paid employment (e.g. voluntary work, membership of a club/society etc)? Yes [] No [] If Yes, please specify which skill, where acquired and to what level of competence on scale of 1 (basic) to 5 (highly developed):

| Skill | Where acquired | Level of competence |
|-------|----------------|---------------------|
| | | |
| | | |
| | | |
| | | _ |

| B.4 | . A | ny | other | comments | about | your | skills | deve | lopment? |
|-----|-----|----|-------|----------|-------|------|--------|------|----------|
|-----|-----|----|-------|----------|-------|------|--------|------|----------|

| D.4 Ally | other comments about your skins development: |
|-----------------|--|
| | |
| | |
| | |
| Section | C: About Your Work Experience |
| - | our undergraduate course include a work placement or work experience? Yes [] |
| No[] If Yes: | (a) What year of your course? |
| | (b) What job? |
| | (d) What length of time (hours per week + number of weeks)? |
| | ou have any employment/work experience before University? Yes [] No [] ease list the jobs together with length of time employed in each: |
| | |
| | |
| C 3 Did x | ou have any casual/part-time jobs while at University? Yes [] No [] |
| | ease list the jobs together with length of time employed in each: |
| | |
| | |
| | |
| | you learn any new skills as a result of any of the employment described in answer to s C1-3? Yes [] No [] |
| If Yes, pl | ease list each of the skills together with the job(s) in which you developed them: |
| | |

C.5 Did the course credit any of this employment/work experience in any way? Yes [] No [] If Yes, please say how?

C.6 In what ways did your History degree help prepare you for

| (a) the world of work: |
|---|
| (b) achieving your career ambitions: |
| (c) tasks in other spheres of life: |
| C.7 (a) Were you given any careers advice at University? Yes [] No [] Available but not sought [] |
| C.7 (b) If Yes, how useful did you find this, on a scale of 1(not useful) to 5 (extremely useful), in informing you about the range of career prospects open to History graduates? |
| C.8 An educational psychologist has shown a relationship between a person's character and their choice of academic study. Which of the following best describe your personality? Circle as many as you feel are appropriate: |
| intuitive realistic tense placid disorderly perfectionist sceptical trusting radical conservative emotionally-volatile calm ideas-oriented solution-oriented non-conformist rule-conscious warm emotionally-distant socially confident shy individualistic group-oriented |
| Thank you for taking time to complete this questionnaire. If you would be willing to participate in a follow-up interview, please provide your |
| Name: |
| telephone number: |
| email address: |

Appendix C: Skills Tables Table 1. Mean scores all cohorts

| SCHOOL/ | | | | | FAMOUS | | | | | | | | | | | |
|-------------------------|------|---------|--------|-------|---------|--------|------|---------------|--------|--------|-------|--------|--------|-------|------------|--------|
| | COL | LEGE | UNDEF | RGRAE | OUATES | | GRAI | DUATES | | GRA | ADUA' | TES | | TOT | TAL | |
| CIZILI | a | TT1 . | a | | *** | a | | *** | - 1 | a 1 1 | ** . | | School | Univ | • | Employ |
| SKILL | | History | School | Univ | History | School | Univ | • | Employ | School | Univ | Employ | N=540 | N=341 | N=458 | N=150 |
| Work independently | 3.95 | 3.76 | 2.99 | 4.42 | 4.34 | 3.03 | 4.31 | 4.14 | 4.45 | 3.07 | 4.17 | 4.41 | 3.26 | 4.30 | 4.08 | 4.43 |
| Work as Team | 3.75 | 3.04 | 3.01 | 3.81 | 3.45 | 2.90 | 3.25 | 3.00 | 4.42 | 2.78 | 2.40 | 4.51 | 3.11 | 3.15 | 3.16 | 4.47 |
| Reading | 4.18 | 4.03 | 3.15 | 4.38 | 4.46 | 3.58 | 4.69 | 4.66 | 3.76 | 4.12 | 4.19 | 3.56 | 3.76 | 4.42 | 4.38 | 3.66 |
| Oral | 3.67 | 3.15 | 2.88 | 3.79 | 3.58 | 2.97 | 3.80 | 3.56 | 4.25 | 3.06 | 3.45 | 4.51 | 3.15 | 3.68 | 3.43 | 4.38 |
| Numeracy | 3.22 | 1.59 | 2.72 | 2.46 | 1.88 | 2.46 | 2.43 | 1.95 | 3.18 | 3.21 | 2.00 | 3.26 | 2.50 | 2.30 | 2.35 | 3.22 |
| Writing | 4.21 | 4.36 | 3.28 | 4.14 | 4.30 | 3.61 | 4.66 | 4.77 | 3.97 | 2.77 | 3.87 | 4.05 | 3.47 | 4.22 | 4.48 | 4.01 |
| Presentational | 3.61 | 3.18 | 2.82 | 3.93 | 3.85 | 2.61 | 3.64 | 3.63 | 4.02 | 2.59 | 2.97 | 4.50 | 2.91 | 3.51 | 3.55 | 4.26 |
| Creative | 3.78 | 3.01 | 3.08 | 3.70 | 3.65 | 2.88 | 3.82 | 3.80 | 3.75 | 2.97 | 3.93 | 4.16 | 3.18 | 3.82 | 3.49 | 3.96 |
| Reflect | 3.79 | 3.68 | 2.89 | 3.95 | 3.92 | 2.71 | 3.88 | 4.11 | 4.30 | 3.04 | 4.38 | 4.38 | 3.11 | 4.07 | 3.90 | 4.34 |
| Prep/Research | 3.54 | 3.62 | 2.78 | 4.09 | 4.26 | 3.02 | 4.25 | 4.48 | 4.03 | 2.37 | 2.89 | 4.32 | 2.93 | 3.74 | 4.12 | 4.18 |
| Learn to Learn | 3.50 | 3.53 | 2.84 | 3.78 | 3.89 | 3.14 | 4.34 | 4.16 | 3.69 | 3.04 | 4.37 | 4.40 | 3.13 | 4.16 | 3.86 | 4.05 |
| Time Management | 3.68 | 3.68 | 3.26 | 4.02 | 4.06 | 3.31 | 4.09 | 3.80 | 4.51 | 3.27 | 3.34 | 4.57 | 3.38 | 3.82 | 3.85 | 4.54 |
| Collect/record data | 3.52 | 3.05 | 2.91 | 3.90 | 4.08 | 2.86 | 4.06 | 4.26 | 3.98 | 2.77 | 3.90 | 4.05 | 3.02 | 3.95 | 3.80 | 4.02 |
| Synthesise data | 3.56 | 3.31 | 2.81 | 3.70 | 3.90 | 2.91 | 4.00 | 4.17 | 4.00 | 2.87 | 4.01 | 4.20 | 3.04 | 3.90 | 3.79 | 4.10 |
| Evaluate | 3.78 | 4.09 | 2.90 | 4.08 | 4.38 | 2.93 | 4.34 | 4.47 | 3.95 | 2.87 | 3.97 | 4.24 | 3.12 | 4.13 | 4.31 | 4.10 |
| Implement Solutions | 3.60 | 3.34 | 2.95 | 3.72 | 3.64 | 2.86 | 3.83 | 3.66 | 4.25 | 2.38 | 2.92 | 4.32 | 2.95 | 3.49 | 3.55 | 4.29 |
| Multitasking | 3.42 | 3.16 | 3.26 | 3.96 | 3.86 | 3.12 | 3.81 | 3.45 | 4.59 | 3.28 | 3.36 | 4.56 | 3.27 | 3.71 | 3.49 | 4.58 |
| Leadership | 3.29 | 2.61 | 2.96 | 3.42 | 3.18 | 2.76 | 3.09 | 2.77 | 4.25 | 3.07 | 4.16 | 4.42 | 3.02 | 3.56 | 2.85 | 4.34 |
| Decision - making | 3.54 | 2.98 | 2.96 | 3.53 | 3.36 | 2.69 | 3.50 | 3.18 | 4.29 | 2.37 | 2.89 | 4.32 | 2.89 | 3.31 | 3.17 | 4.31 |
| IT - Word Processing | 3.68 | 2.90 | 3.29 | 3.99 | 3.83 | 2.42 | 3.49 | 3.27 | 4.29 | 1.00 | 1.05 | 3.12 | 2.60 | 2.84 | 3.33 | 3.71 |
| IT - Using databases | 2.89 | 1.92 | 2.62 | 2.60 | 2.29 | 1.45 | 2.15 | 2.16 | 3.55 | 1.01 | 1.08 | 2.48 | 1.99 | 1.94 | 2.12 | 3.02 |
| IT - Creating databases | 2.71 | 1.75 | 2.52 | 2.27 | 1.94 | 1.29 | 1.58 | 1.69 | 2.93 | 1.00 | 1.00 | 2.00 | 1.88 | 1.62 | 1.79 | 2.47 |
| IT - Spreadsheets | 2.78 | 1.70 | 2.47 | 2.18 | 1.84 | 1.39 | 1.63 | 1.74 | 3.37 | 1.00 | 1.07 | 2.12 | 1.91 | 1.63 | 1.76 | 2.75 |
| IT - Internet | 3.73 | 2.79 | 3.02 | 3.92 | 3.62 | 1.57 | 3.06 | 3.17 | 4.13 | 1.00 | 1.00 | 2.96 | 2.33 | 2.66 | 3.19 | 3.55 |
| Total Mean | 3.56 | 3.09 | 2.93 | 3.66 | 3.57 | 2.69 | 3.57 | 3.50 | 4.00 | 2.54 | 3.02 | 3.89 | 2.91 | 3.42 | 3.41 | 3.95 |

Table 2. School/ 6^{th} form college students. Skill-levels: mean scores in rank order

| 1. Writing | 4.21 |
|-------------------------------|------|
| 2. Reading | 4.18 |
| 3. Work independently | 3.95 |
| 4. Reflect/assess/adapt | 3.79 |
| 5= Evaluate | 3.78 |
| 5= Creative thinking | 3.78 |
| 7. Teamwork | 3.40 |
| 8. IT – internet | 3.26 |
| 9= Time management | 3.68 |
| 9= IT – word processing | 3.68 |
| 1 0 | |
| 11. Oral | 3.67 |
| 12. Presentational | 3.61 |
| 13. Problem-solving | 3.60 |
| 14. Synthesise data | 3.56 |
| 15= Prepare/research | 3.54 |
| 15= Decision-making | 3.54 |
| 17. Collect/record data | 3.52 |
| 18. Learn how to learn | 3.50 |
| 19. Multitasking | 3.42 |
| 20. Leadership | 3.29 |
| 21. Numeracy | 3.22 |
| 22. IT - using databases | 2.89 |
| 23 IT – creating spreadsheets | 2.78 |
| | |
| 24 IT – creating databases | 2.71 |

Table 3: Undergraduates: Skill-levels at school and university: mean scores in rank order

| School | | <u>University</u> | |
|--------------------------------|------|--|------|
| 1. IT – word processing | 3.29 | Work independently | 4.42 |
| 2. Writing | 3.28 | 2. Reading | 4.38 |
| 3= Multitasking | 3.26 | 3. Writing | 4.14 |
| 3= Time management | 3.26 | 4. Prepare/research | 4.09 |
| 5. Reading | 3.15 | 5. Evaluate | 4.08 |
| 6. Creative thinking | 3.08 | 6. Time management | 4.02 |
| 7. IT – internet | 3.02 | 7. IT – word processing | 3.99 |
| 8. Teamwork | 3.01 | 8. Multitasking | 3.96 |
| 9. Work independently | 2.99 | 9. Reflect/assess/adapt | 3.95 |
| 10= Decision-making | 2.96 | 10. Presentational | 3.93 |
| 10= Leadership | 2.96 | 11. IT – internet | 3.92 |
| 12. Problem-solving | 2.95 | 12. Collect/record data | 3.90 |
| 13. Collect/record data | 2.91 | 13. Teamwork | 3.81 |
| 14. Evaluate | 2.90 | 14. Oral | 3.79 |
| 15. Reflect/assess/adapt | 2.89 | 15. Learn how to learn | 3.78 |
| 16. Oral | 2.88 | 16. Problem-solving | 3.72 |
| 17. Learn how to learn | 2.84 | 17= Creative thinking | 3.70 |
| 18. Presentational | 2.82 | 17= Synthesise data | 3.70 |
| 19. Synthesise data | 2.81 | Decision-making | 3.53 |
| 20. Prepare/research | 2.78 | 20. Leadership | 3.42 |
| 21. Numeracy | 2.72 | 21. IT – using databases | 2.60 |
| 22. IT – using databases | 2.62 | 22. Numeracy | 2.46 |
| 23. IT – creating databases | 2.52 | \mathcal{E} | 2.27 |
| 24. IT – creating spreadsheets | 2.47 | 24. IT – creating spreadsheets | 2.18 |

Table 4. Graduates. Skill-levels at school, university and in employment: mean scores in rank order

| Sch | <u>100l</u> | | Univ | <u>versity</u> | | Employment | |
|-----|----------------------|------|------|----------------------|------|-------------------------|------|
| 1. | Writing | 3.61 | 1. | Reading | 4.69 | 1. Multitasking | 4.59 |
| 2. | Reading | 3.58 | 2. | Writing | 4.66 | 2. Time manage | 4.51 |
| 3. | Time management | 3.31 | 3= | Learn how to learn | 4.34 | 3. Work independently | 4.45 |
| 4. | Learn how to learn | 3.14 | 3= | Evaluate | 4.34 | 4. Teamwork | 4.42 |
| 5. | Multitasking | 3.12 | 5. | Work independently | 4.31 | 5. Reflect/assess/adapt | 4.30 |
| 6. | Work independently | 3.03 | 6. | Prepare/research | 4.25 | 6= IT – word processing | 4.29 |
| 7. | Prepare/research | 3.02 | 7. | Time management | 4.09 | 6= Decision-making | 4.29 |
| 8. | Oral | 2.97 | 8. | Collect/record data | 4.06 | 8= Leadership | 4.25 |
| 9. | Evaluate | 2.93 | 9. | Synthesise data | 4.0 | 8= Oral | 4.25 |
| 10. | Synthesise data | 2.91 | 10. | Reflect/assess/adapt | 3.88 | 8= Problem-solving | 4.25 |
| 11. | Teamwork | 2.90 | 11. | Problem-solving | 3.83 | 11. IT – internet | 4.13 |
| 12. | Creative thinking | 2.88 | 12. | Creative thinking | 3.82 | 12. Prepare/research | 4.03 |
| 13= | Collect/record data | 2.86 | 13. | Multitasking | 3.81 | 13. Presentational | 4.02 |
| 13= | Problem-solving | 2.86 | 14. | Oral | 3.80 | 14. Synthesise data | 4.0 |
| 15. | Leadership | 2.76 | 15. | Presentational | 3.64 | 15. Collect/record data | 3.98 |
| 16. | Reflect/assess/adapt | 2.71 | 16. | Decision-making | 3.50 | 16. Writing | 3.97 |
| 17. | Decision-making | 2.69 | 17. | IT word processing | 3.49 | 17. Evaluation | 3.95 |
| 18. | Presentational | 2.61 | 18. | Teamwork | 3.25 | 18. Reading | 3.76 |
| 19. | Numeracy | 2.46 | 19. | Leadership | 3.09 | 19. Creative thinking | 3.75 |
| 20. | IT word processing | 2.42 | 20. | IT internet | 3.06 | 20. Learn how to learn | 3.69 |
| 21. | IT internet | 1.57 | 21. | Numeracy | 2.43 | 21. IT use databases | 3.55 |
| 22. | IT use databases | 1.45 | 22. | IT use databases | 2.15 | 22. IT spreadsheets | 3.37 |
| 23. | IT spreadsheets | 1.39 | 23 | IT spreadsheets | 1.63 | 23. Numeracy | 3.18 |
| 24. | IT create databases | 1.29 | 24. | IT create databases | 1.58 | 24. IT create databases | 2.93 |

Table 5. Graduates. Skills most required in current employment in rank order

| 1. Multitasking 4.66 2. Time management 4.62 3. Work independently 4.5 4. Reflect/assess/adapt 4.48 5= Teamwork 4.47 5= Oral 4.47 7. Problem-solving 4.45 8. Prepare/research 4.36 9. Decision-making 4.26 10. Writing 4.15 11. Presentational 4.14 12. IT – word processing 4.13 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | | |
|---|--------------------------------|------|
| 2. Time management 4.62 3. Work independently 4.5 4. Reflect/assess/adapt 4.48 5= Teamwork 4.47 5= Oral 4.47 7. Problem-solving 4.45 8. Prepare/research 4.36 9. Decision-making 4.26 10. Writing 4.15 11. Presentational 4.14 12. IT – word processing 4.13 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | 1. Multitasking | 4.66 |
| 3. Work independently 4.5 4. Reflect/assess/adapt 4.48 5= Teamwork 4.47 5= Oral 4.47 7. Problem-solving 4.45 8. Prepare/research 4.36 9. Decision-making 4.26 10. Writing 4.15 11. Presentational 4.14 12. IT – word processing 4.13 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | <u>e</u> | 4.62 |
| 4. Reflect/assess/adapt 4.48 5= Teamwork 4.47 5= Oral 4.47 7. Problem-solving 4.45 8. Prepare/research 4.36 9. Decision-making 4.26 10. Writing 4.15 11. Presentational 4.14 12. IT – word processing 4.13 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | | 4.5 |
| 5= Teamwork 4.47 5= Oral 4.47 7. Problem-solving 4.45 8. Prepare/research 4.36 9. Decision-making 4.26 10. Writing 4.15 11. Presentational 4.14 12. IT – word processing 4.13 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 19= Collect/record data 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | * | |
| 5= Oral 4.47 7. Problem-solving 4.45 8. Prepare/research 4.36 9. Decision-making 4.26 10. Writing 4.15 11. Presentational 4.14 12. IT – word processing 4.13 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | | |
| 7. Problem-solving 4.45 8. Prepare/research 4.36 9. Decision-making 4.26 10. Writing 4.15 11. Presentational 4.14 12. IT – word processing 4.13 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | | |
| 8. Prepare/research 4.36 9. Decision-making 4.26 10. Writing 4.15 11. Presentational 4.14 12. IT – word processing 4.13 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 19= Collect/record data 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | | |
| 9. Decision-making 4.26 10. Writing 4.15 11. Presentational 4.14 12. IT – word processing 4.13 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 19= Collect/record data 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | | 4.36 |
| 10. Writing 4.15 11. Presentational 4.14 12. IT – word processing 4.13 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | - | 4.26 |
| 11. Presentational 4.14 12. IT – word processing 4.13 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 19= Collect/record data 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | | 4.15 |
| 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 19= Collect/record data 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | _ | 4.14 |
| 13. Leadership 4.07 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 19= Collect/record data 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | 12. IT – word processing | 4.13 |
| 14. Reading 4.05 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 19= Collect/record data 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | | 4.07 |
| 15. Evaluate 4.02 16. IT – internet 3.97 17. Synthesise data 3.95 18. Creative thinking 3.90 19= Learn how to learn 3.82 19= Collect/record data 3.82 21. IT – using databases 3.26 22. Numeracy 3.20 | - | 4.05 |
| 17. Synthesise data3.9518. Creative thinking3.9019= Learn how to learn3.8219= Collect/record data3.8221. IT – using databases3.2622. Numeracy3.20 | • | 4.02 |
| 18. Creative thinking3.9019= Learn how to learn3.8219= Collect/record data3.8221. IT – using databases3.2622. Numeracy3.20 | 16. IT – internet | 3.97 |
| 18. Creative thinking3.9019= Learn how to learn3.8219= Collect/record data3.8221. IT – using databases3.2622. Numeracy3.20 | 17. Synthesise data | 3.95 |
| 19= Learn how to learn3.8219= Collect/record data3.8221. IT – using databases3.2622. Numeracy3.20 | • | 3.90 |
| 19= Collect/record data3.8221. IT – using databases3.2622. Numeracy3.20 | • | |
| 22. Numeracy 3.20 | | 3.82 |
| 22. Numeracy 3.20 | 21. IT – using databases | 3.26 |
| • | • | |
| 23. IT – creating spreadsheets 2.98 | 23. IT – creating spreadsheets | 2.98 |
| 24. IT – creating databases 2.67 | | |

 $\begin{tabular}{ll} Table 6. Famous Graduates. Skill-levels at school, university and in employment: mean scores in rank order \end{tabular}$

| <u>School</u> <u>University</u> | | <u>Employment</u> | | | | | |
|---------------------------------|---------|-------------------|----------------------|--------|-----|---------------------|--------|
| Reading | 4.12 | 1. | Reflect/assess/adapt | t 4.38 | 1. | Time management | 4.57 |
| 2. Multitasking | 3.28 | 2. | Learn how to learn | 4.37 | 2. | Multitasking | 4.56 |
| 3. Time management | 3.27 | 3. | Reading | 4.19 | 3= | Teamwork | 4.51 |
| 4. Numeracy | 3.21 | 4. | Work independent | 4.17 | 3= | Oral | 4.51 |
| 5= Work independent | 3.07 | 5. | Leadership | 4.16 | 5. | Presentational | 4.50 |
| 5= Leadership | 3.07 | 6. | Synthesise data | 4.01 | 6. | Leadership | 4.42 |
| 7. Oral | 3.06 | 7. | Evaluation | 3.97 | 7. | Work independent | 4.41 |
| 8= Learn how to learn | 3.04 | 8. | Creative thinking | 3.93 | 8. | Learn how to learn | 4.40 |
| 8= Reflect/assess/adap | ot 3.04 | 9. | Collect/record data | | 9. | Reflect/assess/adap | t 4.38 |
| 10. Creative thinking | 2.97 | 10. | Writing | 3.87 | 10= | Problem-solving | 4.32 |
| 11= Synthesise data | 2.87 | 11. | Oral | 3.45 | 10= | Decision-making | 4.32 |
| 11= Evaluate | 2.87 | 12. | Multitasking | 3.36 | | Prepare/research | 4.32 |
| 13. Teamwork | 2.78 | 13. | Time management | 3.34 | 13. | Evaluate | 4.24 |
| 14= Collect/record data | 2.77 | 14. | Presentational | 2.97 | 14. | Synthesise data | 4.20 |
| 14= Writing | 2.77 | 15. | Problem-solving | 2.92 | 15. | Creative thinking | 4.16 |
| 16. Presentational | 2.59 | 16= | Prepare/research | 2.89 | 16= | Writing | 4.05 |
| 17. Problem-solving | 2.38 | 16= | Decision-making | 2.89 | 16= | Collect/record data | 4.05 |
| 18= Prepare/research | 2.37 | 18. | Teamwork | 2.40 | 18. | IT – internet | 3.89 |
| 18= Decision-making | 2.37 | 19. | Numeracy | 2.0 | 19. | Reading | 3.56 |
| 20. IT use databases | 1.01 | 20. | IT use databases | 1.08 | 20. | Numeracy | 3.26 |
| 21= IT word processing | 1.0 | 21. | IT spreadsheets | 1.07 | 21. | IT word processing | 3.12 |
| 21= IT create databases | 1.0 | 22. | IT word processing | 1.05 | 22. | IT use databases | 2.48 |
| 21= IT spreadsheets | 1.0 | 23= | IT create databases | 1.0 | 23. | IT spreadsheets | 2.12 |
| 21= IT internet | 1.0 | 23= | IT internet | 1.0 | 24. | IT create databases | 2.0 |

Table 7: All Respondents. Skill-levels at schools (N=540), university (N=341), in employment (N=150), and contribution from studying history (N=458): mean scores in rank order

| School | | <u>University</u> | |
|---|---|---|---|
| 1. Reading | 3.76 | 1. Reading | 4.42 |
| 2. Writing | 3.47 | 2. Working independently | 4.3 |
| 3. Time management | 3.38 | 3. Writing | 4.22 |
| 4. Multitasking | 3.27 | 4. Learn how to learn | 4.16 |
| 5. Work independently | 3.26 | 5. Evaluate | 4.13 |
| 6. Creative thinking | 3.18 | 6. Reflect/assess/adapt | 4.07 |
| 7. Oral | 3.15 | 7. Collect/record data | 3.95 |
| 8. Learn how to learn | 3.13 | 8. Synthesise data | 3.9 |
| 9. Evaluate | 3.12 | 9= Time management | 3.82 |
| 10= Teamwork | 3.11 | 9= Creative thinking | 3.82 |
| 10= Reflect/assess/adapt | 3.11 | 11. Prepare/research | 3.74 |
| 12. Synthesise data | 3.04 | 12. Multitasking | 3.71 |
| 13= Collect/record data | 3.02 | 13. Oral | 3.68 |
| 13= Leadership | 3.02 | 14. Leadership | 3.56 |
| 15. Problem-solving | 2.95 | 15. Presentational | 3.51 |
| 16. Prepare/research | 2.93 | 16. Problem-solving | 3.49 |
| 17. Presentational | 2.91 | Decision-making | 3.31 |
| 18. Decision-making | 2.89 | 18. Teamwork | 3.15 |
| 19. IT – word processing | 2.60 | 19. IT – word processing | 2.84 |
| 20. Numeracy | 2.50 | 20. IT – internet | 2.66 |
| 21. IT – internet | 2.33 | 21. Numeracy | 2.30 |
| 22. IT – using databases | 1.99 | 22. IT – using databases | 1.94 |
| 23. IT – spreadsheets | 1.91 | 23. IT – spreadsheets | 1.63 |
| 24. IT – creating databases | 1.88 | 24. IT – creating databases | 1.62 |
| <u>Employment</u> | | <u>History</u> | |
| 1. Multitasking | 4.58 | 1. Writing | 4.48 |
| 2. Time management | 4.54 | 2. Reading | 4.38 |
| 3. Teamwork | 4.47 | 3. Evaluate | 4.31 |
| 4. Work independently | 4.43 | 4. Prepare/research | 4.12 |
| 5. Oral | 4.38 | 5. Work independently | 4.08 |
| 6= Leadership | 4.34 | 6. Reflect/assess/adapt | 3.90 |
| 6= Reflect/assess/adapt | 71.371 | | |
| | 4.34 | 7. Learn how to learn | 3.86 |
| 8. Decision-making | 4.31 | 8. Time management | 3.85 |
| 9. Problem-solving | 4.31 4.29 | 8. Time management9. Collect/record data | 3.85 3.8 |
| 9. Problem-solving10. Presentational | 4.31 4.29 4.26 | 8. Time management9. Collect/record data10. Synthesise data | 3.85 3.8 3.79 |
| 9. Problem-solving10. Presentational11. Prepare/research | 4.31 4.29 4.26 4.18 | 8. Time management9. Collect/record data10. Synthesise data11= Problem-solving | 3.85 3.8 3.79 3.55 |
| 9. Problem-solving10. Presentational11. Prepare/research12= Evaluate | 4.31 4.29 4.26 4.18 4.1 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational | 3.85 3.8 3.79 3.55 3.55 |
| 9. Problem-solving 10. Presentational 11. Prepare/research 12= Evaluate 12= Synthesise data | 4.31 4.29 4.26 4.18 4.1 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational 13= Creative thinking | 3.85 3.8 3.79 3.55 3.55 3.49 |
| 9. Problem-solving 10. Presentational 11. Prepare/research 12= Evaluate 12= Synthesise data 14. Learn how to learn | 4.31 4.29 4.26 4.18 4.1 4.1 4.05 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational 13= Creative thinking 13= Multitasking | 3.85 3.8 3.79 3.55 3.55 3.49 3.49 |
| 9. Problem-solving 10. Presentational 11. Prepare/research 12= Evaluate 12= Synthesise data 14. Learn how to learn 15. Collect/record data | 4.31 4.29 4.26 4.18 4.1 4.1 4.05 4.02 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational 13= Creative thinking 13= Multitasking 15. Oral | 3.85 3.8 3.79 3.55 3.55 3.49 3.49 3.43 |
| 9. Problem-solving 10. Presentational 11. Prepare/research 12= Evaluate 12= Synthesise data 14. Learn how to learn 15. Collect/record data 16. Writing | 4.31 4.29 4.26 4.18 4.1 4.1 4.05 4.02 4.01 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational 13= Creative thinking 13= Multitasking 15. Oral 16. IT – word processing | 3.85 3.8 3.79 3.55 3.55 3.49 3.49 3.43 3.33 |
| 9. Problem-solving 10. Presentational 11. Prepare/research 12= Evaluate 12= Synthesise data 14. Learn how to learn 15. Collect/record data 16. Writing 17. Creative thinking | 4.31 4.29 4.26 4.18 4.1 4.1 4.05 4.02 4.01 3.96 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational 13= Creative thinking 13= Multitasking 15. Oral 16. IT – word processing 17. IT – internet | 3.85 3.8 3.79 3.55 3.55 3.49 3.49 3.43 3.33 3.19 |
| 9. Problem-solving 10. Presentational 11. Prepare/research 12= Evaluate 12= Synthesise data 14. Learn how to learn 15. Collect/record data 16. Writing 17. Creative thinking 18. IT – word processing | 4.31 4.29 4.26 4.18 4.1 4.1 4.05 4.02 4.01 3.96 3.71 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational 13= Creative thinking 13= Multitasking 15. Oral 16. IT – word processing 17. IT – internet 18. Decision-making | 3.85 3.8 3.79 3.55 3.55 3.49 3.49 3.43 3.33 3.19 3.17 |
| 9. Problem-solving 10. Presentational 11. Prepare/research 12= Evaluate 12= Synthesise data 14. Learn how to learn 15. Collect/record data 16. Writing 17. Creative thinking 18. IT – word processing 19. Reading | 4.31 4.29 4.26 4.18 4.1 4.05 4.02 4.01 3.96 3.71 3.66 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational 13= Creative thinking 13= Multitasking 15. Oral 16. IT – word processing 17. IT – internet 18. Decision-making 19. Teamwork | 3.85 3.8 3.79 3.55 3.55 3.49 3.49 3.43 3.33 3.19 3.17 3.16 |
| 9. Problem-solving 10. Presentational 11. Prepare/research 12= Evaluate 12= Synthesise data 14. Learn how to learn 15. Collect/record data 16. Writing 17. Creative thinking 18. IT – word processing 19. Reading 20. IT – internet | 4.31 4.29 4.26 4.18 4.1 4.05 4.02 4.01 3.96 3.71 3.66 3.55 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational 13= Creative thinking 13= Multitasking 15. Oral 16. IT – word processing 17. IT – internet 18. Decision-making 19. Teamwork 20. Leadership | 3.85 3.8 3.79 3.55 3.55 3.49 3.43 3.33 3.19 3.17 3.16 2.86 |
| 9. Problem-solving 10. Presentational 11. Prepare/research 12= Evaluate 12= Synthesise data 14. Learn how to learn 15. Collect/record data 16. Writing 17. Creative thinking 18. IT – word processing 19. Reading 20. IT – internet 21. Numeracy | 4.31 4.29 4.26 4.18 4.1 4.05 4.02 4.01 3.96 3.71 3.66 3.55 3.22 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational 13= Creative thinking 13= Multitasking 15. Oral 16. IT – word processing 17. IT – internet 18. Decision-making 19. Teamwork 20. Leadership 21. Numeracy | 3.85 3.8 3.79 3.55 3.55 3.49 3.49 3.43 3.33 3.19 3.17 3.16 2.86 2.35 |
| 9. Problem-solving 10. Presentational 11. Prepare/research 12= Evaluate 12= Synthesise data 14. Learn how to learn 15. Collect/record data 16. Writing 17. Creative thinking 18. IT – word processing 19. Reading 20. IT – internet 21. Numeracy 22. IT – using databases | 4.31 4.29 4.26 4.18 4.1 4.05 4.02 4.01 3.96 3.71 3.66 3.55 3.22 3.02 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational 13= Creative thinking 13= Multitasking 15. Oral 16. IT – word processing 17. IT – internet 18. Decision-making 19. Teamwork 20. Leadership 21. Numeracy 22. IT – using databases | 3.85 3.8 3.79 3.55 3.55 3.49 3.49 3.43 3.33 3.19 3.17 3.16 2.86 2.35 2.12 |
| 9. Problem-solving 10. Presentational 11. Prepare/research 12= Evaluate 12= Synthesise data 14. Learn how to learn 15. Collect/record data 16. Writing 17. Creative thinking 18. IT – word processing 19. Reading 20. IT – internet 21. Numeracy | 4.31 4.29 4.26 4.18 4.1 4.05 4.02 4.01 3.96 3.71 3.66 3.55 3.22 | 8. Time management 9. Collect/record data 10. Synthesise data 11= Problem-solving 11= Presentational 13= Creative thinking 13= Multitasking 15. Oral 16. IT – word processing 17. IT – internet 18. Decision-making 19. Teamwork 20. Leadership 21. Numeracy | 3.85 3.8 3.79 3.55 3.55 3.49 3.49 3.43 3.33 3.19 3.17 3.16 2.86 2.35 |

Appendix D: Personality Profiles Chart 1. Personality profiles: bar chart for all cohorts

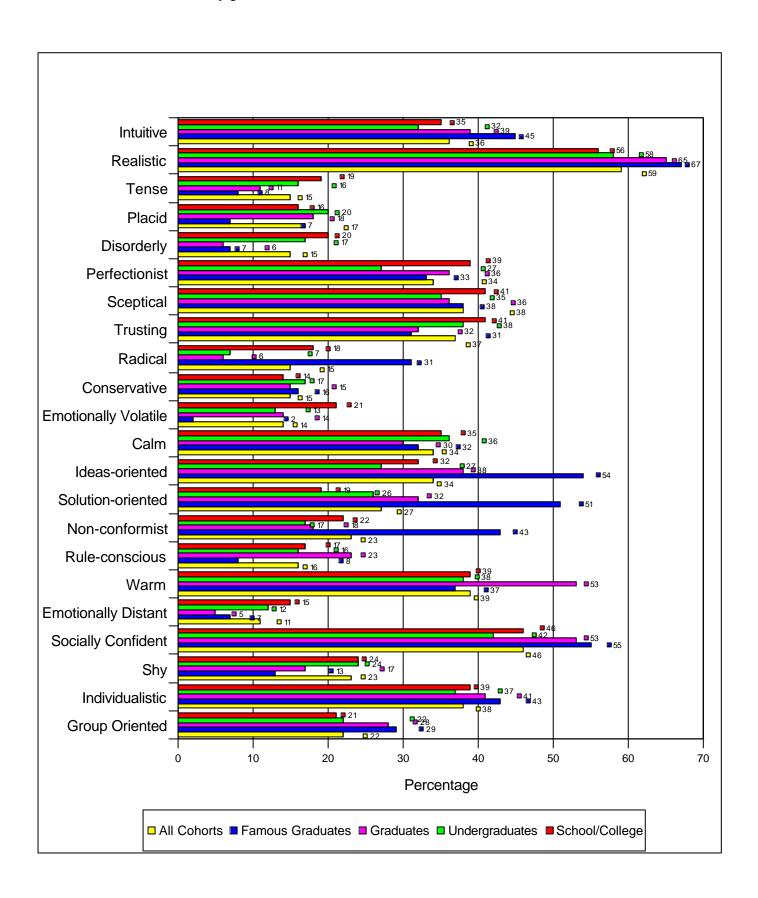


Table 1. Diverger/Converger ratios

| | A' Level | Undergrad | Graduate | Fam Grad | Total |
|---------------------------|----------|-----------|----------|----------|-------|
| Intuitive: Realistic | 1:1.6 | 1:1.8 | 1:1.6 | 1:1.5 | 1:1.6 |
| Tense: Placid | 1.2:1 | 1:1.3 | 1:1.7 | 1:2.1 | 1:1.1 |
| Disorderly: Perfectionist | 1:2 | 1:1.6 | 1:6 | 1:4.7 | 1:2.2 |
| Sceptical: Trusting | 1:1 | 1:1.1 | 1.1:1 | 1.2:1 | 1:1 |
| Radical: Conservative | 1.2:1 | 1:2.3 | 1:2.5 | 2:1 | 1:1 |
| Volatile: Calm | 1:1.7 | 1:2.7 | 1:2.2 | 1:13.9 | 1:2.4 |
| Ideas: Solution | 1.7:1 | 1:1 | 1.2:1 | 1:1 | 1.2:1 |
| Non-conf.: Rule-conscious | 1.3:1 | 1.1:1 | 1:1.2 | 5.2:1 | 1.4:1 |
| Warm: Distant | 2.7:1 | 3.3:1 | 11.8:1 | 5.2:1 | 3.6:1 |
| Confident: Shy | 1.7:1 | 1.7:1 | 3.1:1 | 4.2:1 | 2:1 |
| Individualistic: Group | 1.9:1 | 1.7:1 | 1.4:1 | 1.5:1 | 1.7:1 |