

RESEARCH ON THE COMPUTER RELATED FACTORS OF INCOME TAX FILING

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ABSTRACT

FOR TAXPAYER, THE FILING OF INCOME TAX IS A VERY CUMBERSOME TASK. THE INCOME REVENUE SERVICE HAS PROVIDED THE BAR CODE METHOD AND INTERNET FILING FOR TAXPAYER TO CHOOSE. THE UTILIZATION OF BOTH APPROACHES IS NOT VERY HIGH. THE STUDY AIMS TO EXPLORE THE TAXPAYER'S COMPUTER RELATED FACTORS OF INCOME TAX FILING, TO UNDERSTAND THE FACTORS INFLUENCING THE TAXPAYER'S SELECTION OF TAX FILING APPROACHES, AND TO PROVIDE SOME USEFUL REFERENCE FOR THE INCOME REVENUE SERVICE TO IMPROVE THEIR INCOME TAX FILING APPROACHES. THE VARIABLES IN THIS STUDY INCLUDED TAXPAYER'S DEMOGRAPHIC DATA, INTERNET USERS CHARACTERISTICS, COMPUTER KNOWLEDGE, THE CONDITION AND FEELING OF INCOME TAX FILING. THE FOLLOWING VARIABLES ARE FOUND TO HAVE SIGNIFICANT CORRELATION WITH THE SELECTION OF INCOME TAX FILING APPROACHES: TAXPAYER'S GENDER, EDUCATION, INCOME, THE ACCOUNT NUMBER OF USING COMPUTER INTERNET, OWN COMPUTER AT HOME, THE REQUIREMENT OF COMPUTER AT WORK, THE MAJOR APPROACH TO CONNECT TO INTERNET, COMPUTER ANXIETY, COMPUTER SELF-EFFICACY, THE FREQUENCY OF COMPUTER USAGE, THE FREQUENCY OF USING INTERNET, THE SATISFACTION AND EASINESS OF INCOME TAX FILING WITH COMPUTER. FROM DISCRIMINATE ANALYSIS, IT WAS FOUND THAT THE TWO VARIABLES OF EDUCATED COMPUTER USER AND THE ACCESSIBILITY OF COMPUTER COULD EFFECTIVELY DISCRIMINATE THE TAXPAYERS CLOSED DIFFERENT INCOME TAX FILING APPROACHES. ALSO, THE DISCRIMINATE FUNCTION OF EDUCATED COMPUTER USER HAS SIGNIFICANT CORRELATION WITH THE TAXPAYER'S COMPUTER KNOWLEDGE AND THE TAXPAYER'S PERSONAL DEMOGRAPHIC VARIABLES. THE DISCRIMINATE FUNCTION OF COMPUTER ACCESSIBILITY HAS SIGNIFICANT CORRELATION WITH THE TAXPAYER 'S ACCESS OF COMPUTER AND THEIR SATISFACTION WITH INCOME TAX FILING.

Keywords : TAX FILING APPROACHES, COMPUTER KNOWLEDGE, COMPUTER ANXIETY, COMPUTER SELF-EFFICACY

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REFERENCES

中文部分 1.87綜合所得稅結算申報手冊(民88),財政部台灣省南區國稅局編印。2.中華民國賦稅年報(民87),財政部賦稅署,18-22。3.尹玫君(民79),台灣南部地區小學資訊教育之調查。初等教育學報,第8期。4.尹玫君(民81),台南地區大學生電腦素養內涵之研究。台南師院學報,第25期。5.王以仁、吳清山(民75),國中學生電腦態度及其相關因素之研究。教育與心理研究,9期

, 177-190。6.王基振(民84), 研究生的電腦態度與電腦知能之分析探討。大葉工學院資訊管理研究所碩士論文。7.台灣省北區國稅統計(民88), 財政部台灣省北區國稅局編印。8.江偉平(民87), 規劃網路上之便民與行政措施。研考雙月刊, 22卷1期, 13-13。9.吳正己、邱貴發(民85), 資訊社會國民的電腦素養教育。社教雙月刊, 第73期, 13-18。10.吳明隆(民82), 國民小學學生電腦態度及電腦素養相關因素之研究。國立高雄師範大學教育研究所碩士論文。11.吳美美(民85), 課程改革和資訊素養教育。社教雙月刊, 第73期, 32-38。12.吳鼎隆(民78), 自我效能理論再輔導上的意義。輔導月刊, 25(9、10), 7-9。13.宋餘俠(民78), 行政資訊計劃之評估與方法, 行政資訊論文集。行政院研考會編印, 232-245。14.李玉玲(民87), 網路報稅, 資訊與電腦。3月號, 25-25。15.李堅萍(民83), 國民中學科技素養教育課程現況之研究, 國立台灣師範大學工藝教育研究所碩士論文。16.李傳彰(民87), 中等學校職前教師電腦態度、電腦素養及其關係之研究。淡江大學教育資料科學研究所碩士論文。17.汪琪、吳翠珍、陳百齡(民83), 與資訊素養相關的資訊認知、價值與重要性評估研究。行政院國家科學委員會專題研究計畫成果報告。18.周宣光(民85), 教師如何因應多媒體科技所帶來的影響。教育實習輔導季刊, 2卷2期, 5月, 33-36。19.周宣光、劉玉玲(民87), 綜合所得稅申報處理流程再造之研究。資訊管理學報, 第五卷, 第一期, 63-85。20.林曉妮(民86), 電腦態度與電腦素養的影響因素探討。國立中央大學資訊管理研究所碩士論文。21.林麗娟(民81), 談跨越綜合所得稅申報課稅制度。財政部高雄國稅局。22.邱貴發(民81), 電腦素養教學的主要課題-找尋持久性的電腦素養知識與技能。台灣教育(495), 36-41。23.施依萍(民86), 台灣網路使用行為之研究:網路素養資訊觀層面之分析。中正大學電訊傳播研究所碩士論文。24.胡志榮(民84), 綜合所得稅稽徵制度流程再造之研究。交通大學管理科學研究所碩士論文, 87-92。25.倪惠玉(民76), 國民小學教師科技素養之研究。國立台灣師範大學工藝教育研究所碩士論文。26.倪達仁(民85), 國民中學教師電腦素養之研究。國立台灣師範大學教育研究所碩士論文。27.唐文儀(民83), 南部地區國小電腦素養相關因素之比較研究。國立台南師範學院學生學刊, 第15期, 75-82。28.翁淑緣(民89), 影響國中學生電腦學習意願之個人特性探討, 教育與心理研究, 第23期, 155-155。29.財稅資料中心業務年報(民88), 財政部財稅資料中心, 64-65。30.張春興(民80), 心理學。東華書局。31.莊雅茹(民81), 電腦焦慮與電腦行政。資訊與教育, 31期, 34-36。32.莊雅茹(民84), 電腦焦慮之編制與發展, 資訊與教育雜誌, 18-27。33.陳玉玲(民85), 目標設定、目標投入與自我效能對國小學生數學作業表現的影響。國立高雄師範大學教育學研究所碩士論文。34.陳仲彥(民85), 資訊素養與圖書館利用教育。社教雙月刊, 73期, 19-22。35.陳麗鈴(民87), 高職學生電腦焦慮之相關因素研究, 大葉大學資訊管理研究所碩士論文。36.湯惠誠(民83), 高雄市高中學生電腦態度及其相關因素之研究, 國立高雄師範大學工藝教育研究所碩士論文。37.黃慶祥(民75), 電腦素養、學生、家長與教師。台北:松崗書局。38.黃慶祥(民79), 企業資訊管理政策, 祥記藝術顧問有限公司。39.劉駿州(民85), 電腦網路的社區文化。社教雙月刊, 第74期, 16-19。40.蔣姿儀(民85), 國民中小學學生電腦態度、電腦素養及其相關因素之研究, 國立政治大學教育研究所博士論文。41.蔡美詩(民88), 綜合所得稅二維條碼申報系統之建構與成效評估。中山大學資訊管理研究所碩士論文。42.蔡淑娥(民74), 高中生的電腦態度、電腦成就及相關因素之研究。政治大學教育研究所碩士論文。43.盧志山(民86), 網路科技應用對於綜合所得稅結算申報流程之影響。元智大學管理研究所資訊管理組碩士論文。44.戴建耘、王振德、洪榮昭(民75), 台北市國小學童學習電腦之態度現況調查。國教月刊, 第33卷, 7/8期, 30-34。45.謝長宏、王得山、馮永猶(民78), 綜合所得稅作業程序之檢討與改進。46.鍾思嘉、龍長風(民73), 修訂情境與特質焦慮量表之研究。中國測驗學會測驗年刊, 31期, 27-36。47.鍾聖校(民84), 認知心理學。台北市:心理。英文部分

- 1.ABRUSCATO,J.CHILDREN,COMPUTER AND SCIENCE TEACHING: BUTTERFLIES AND BYTES,NEW YORK:PRENTICE-HALL,1986.
- 2.ADAMS,DENNIS A.,NELSON RYAN & TODD,PETER A.,PERCEIVED USEFULNESS, EASE OF USE AND USAGE OF INFORMATION TECHNOLOGY:A REPLICATION,MIS QUARTERLY,JUNNARY,1992, 227-247.
- 3.AJZEN,I.,FROM INTENTION TO ACTIONS:A THEORY OF PLANNED BEHAVIOR,IN J.KUHL AND J.BECHMAN -N(EDS.),ACTION-CONTROL: FROM COGNITION TO BEHAVIOR,SPRINGER,HEIDELBERG, 1985, 11-39.
- 4.BANDURA,A.,SELF-EFFICACY:TOWARD A UNIFYING THEORY OF BEHAVIOR CHANGE,PSYCHOLOGICAL REVI -EW,84,1977,191-215.
- 5.BANDURA,A.,SOCIAL FOUNDATIONS OF THOUGHT AND ACTION:A SOCIAL COGNITIVE THEORY,ENGLEWOOD CLIFFS,NEW JERSEY: PRENTICE-HALL,1986,390-453.
- 6.BANKS,M.J. & HAVICE,M.J.,STRATEGIES FOR DEALING WITH COMPUTER ANXIETY:TWO CASE STUDIES, EDUCATIONAL TECHNOLOGY, JANUARY,1989,22-26.
- 7.BAUMGARTE,R.,COMPUTER ANXIETY AND INSTRUCTION,PAPER PRESENTED AT THE SPRING MEETING OF THE SOUTHEASTERN PSYCHOLOGICAL ASSOCIATION,ATLANTA,GA,1984.
- 8.BENJAMIN,M.C.(EDS.),ISSUE IN NEW INFORMATION TECHNOLOGY, NORWOOD,NEW JESERY:ALBLEX,1988
- 9.BLOOM,A.J. & HAUTALUOMA,J.E.,ANXIETY MANAGEMENT TRAINING AS A STRATEGY FOR ENHANCING CO -MPUTER USER PERFORMANCE, COMPUTERS IN HUMAN BEHAVIOR,6,1990,337-349.
- 10.CAMBRE, M.A. & COOK,D.L.,COMPUTER ANXIETY : DEFINITION, MEASUREMENT AND CORRELATES,JOUR -NAL OF EDUCATIONAL COMPUTING RESEARCH,1(1),1985,37-54.
- 11.COMPEAU,D.R. & HIGGINS,C.A.,COMPUTER SELF-EFFICACY: DEVELOPMENT OF A MEASURE AND INITIA -L TEST,MIS QUARTERLY, 19,2,JUNE 1995,189-211.
- 12.CUDDY,M.E. & FRAME,C.,COMPARISON OF AGGRESSIVE AND NONAGGRESSIVE BOYS' SELF-EFFICACY AN -D OUTCOME EXPECTANCY BELIEFS,CHILD DEVELOPMENT,51,1991,135-152.
- 13.DAMBROT,F.H. & GARVER,J.A.,CORRELATES OF SEX DIFFERENCES IN ATTITUDES TOWARD AND INVOL -VEMENT WITH COMPUTER,JONRNAL OF VOCATIONAL BEHAVIOR,27,1985,71-86.
- 14.DAVIS,FRED D.,VENKATESH & VISWANATH, A MODEL OF ANTECEDENTS OF PERCEIVED EASE OF USE:DE -CELOPMENT AND TEST,DECISION SCIENCES,VOL.27,NO.3,SUMMER,1996,451-481.
- 15.DAVIS,FRED D.,PERCEIVED USEFULNESS,PERCEIVED EASE OF USE AND USER ACCEPTANCE OF INFORMA -TION TECHNOLOGY,MIS QUARTERLY,SEPTEMBER,1989,319-335.
- 16.DELONE,W.H. AND MCLEAN,E.R.,INFORMATION SYSTEM SUCCESS: THE QUEST FOR THE DEPENDENT VAR

-TABLE, INFORMATION SYSTEM RESEARCH, MARCH, 1992, 60-92. 17. DONALD G. GARDNER, RICHARD DISCENZA & RICHARD L. DUKES, THE MEASUREMENT OF COMPUTER ATTITUDES: AN EMPIRICAL COMPARISON OF AVAILABLE SCALES, JOURNAL OF EDUCATIONAL COMPUTING RESEARCH, 9(4), 1993, 487-507. 18. DOV EDEN & ARIE AVIRAM, SELF-EFFICACY TRAINING TO SPEED REEMPLOYMENT: HELPING PEOPLE TO HELP THEMSELVES, JOURNAL OF APPLIED PSYCHOLOGY, VOL. 78 NO. 3, 1993, 352-360. 19. FISHBEIN, M. & AJZEN, I., ATTITUDE TOWARD OBJECTS AS PREDICTORS OF SINGLE AND MULTIPLE BEHAVIORAL CRITERIA, PSYCHOLOGY REVIEW, 81, 1(1975), 59-74. 20. FISHBEIN, M. & AJZEN, I., ATTITUDE, INTENTION AND BEHAVIOR: AN INTRODUCTION TO THEORY AND RESEARCH, ADDISON-WESLEY, BOSTON, MA, 1975. 21. FISHBEIN, M., A THEORY OF REASONED ACTION: SOME APPLICATIONS AND IMPLICATIONS, IN H. HOWE AND D. M. PAGE (EDS.) NEBRASKA SYMPOSIUM ON MOTIVATION, 27, UNIVERSITY OF NEBRASKA PRESS, LINCOLN, NB, 1980. 22. FRANCIS, L. J., MEASURING ATTITUDE TOWARD COMPUTERS AMONG UNDERGRADUATE COLLEGE STUDENTS, COMPUTERS AND EDUCATION, 20(3), 1993, 251-256. 23. GLASS, C. R. & KNIGHT, L. A., COGNITIVE FACTORS IN COMPUTER ANXIETY, COGNITIVE THERAPY AND RESEARCH, 12(4), 1988, 351-366. 24. HEINSSSEN, R. K., GLASS, C. R. & KNIGHT, L. A., ASSESSING COMPUTER ANXIETY: DEVELOPMENT AND VALIDATION OF COMPUTER ANXIETY RATING SCALE, COMPUTERS IN HUMAN BEHAVIOR, 1987, 49-59. 25. HILL, K. H. J., ADULT COMPUTER LITERACY. (ERIC DOCUMENT REPRODUCTION SERVICE, NO. ED 264376), 1985. 26. HOWARD, G. S. & SMITH, R. D., COMPUTER ANXIETY IN MANAGEMENT: MYTH OR REALITY? COMMUNICATIONS OF THE ACM, 29, 1986, 601-615. 27. HUNTER, B., MY STUDENTS USE COMPUTERS. RESTON, VIRGINIA: RESTON PUBLICATION, 1983. 28. IGBARIA, M., PERSONAL COMPUTING ACCEPTANCE FACTORS IN SMALL FIRMS: A STRUCTURAL EQUATION MODEL, MIS QUARTERLY, SEPTEMBER, 1997, 279-305. 29. IGBARIA, M., PARASURAMAN, S. AND BAROUDI, J. J., A MOTIVATIONAL MODEL OF MICROCOMPUTER USAGE, JOURNAL OF MANAGEMENT INFORMATION SYSTEMS, 13, 1, SUMMER, 1996, 127-143. 30. JAY, T., COMPUTER PHOBIA: WHAT TO DO ABOUT IT, EDUCATIONAL TECHNOLOGY, 1981, 47-48. 31. JOHNSON, M. L., COMPUTER LITERACY AT THE COMMUNITY COLLEGE: A WAY TO START, MATHEMATICS AND COMPUTER EDUCATION, 18(2), 1984, 89-92. 32. JONES, P. E. & WALL, R. E., COMPUTER EXPERIENCE AND COMPUTER ANXIETY: TWO PILOT STUDIES, 1985. 33. JOSEPH F. HAIR, ROLPH E. ANDERSON, RONALD L. TATNAM & WILLIAM C. BLACK, MULTIVARIATE DATA ANALYSIS WITH READINGS, 1992. 34. JOSEPH J. MARTOCCHIO & JANE WEBSTER, EFFECTS OF FEEDBACK AND COGNITIVE PLAYFULNESS ON PERFORMANCE IN MICROCOMPUTER SOFTWARE TRAINING, PERSONNEL PSYCHOLOGY, 1992, 45, 553-577. 35. JOSEPH J. MARTOCCHIO, EFFECTS OF CONCEPTIONS ABILITY ON ANXIETY, SELF-EFFICACY AND LEARNING IN TRAINING, JOURNAL OF APPLIED PSYCHOLOGY, 1994, VOL. 79, NO. 6, 819-825. 36. KAESTLE, C. F., LITERACY IN THE UNITED STATES, NEW HAVEN, CN: YALE UNIVERSITY PRESS, 1991. 37. KAY, ROBIN H., A PRACTICAL RESEARCH TOOL FOR ACCESSING ABILITY TO USE COMPUTER: THE COMPUTER ABILITY SURVEY (CAS), JOURNAL OF RESEARCH ON COMPUTING IN EDUCATION, VOL. 26(1), 1993, 16-27. 38. KERMITH V. HARRINGTON, JAMES C. MCELROY & PAULA C. MORROW, COMPUTER ANXIETY AND COMPUTER-BASED TRAINING: A LABORATORY EXPERIMENT, JOURNAL OF EDUCATIONAL COMPUTING RESEARCH, 1990, VOL. 6(3), 343-358. 39. KLASSEN, D. L. & ANDERSON R. E., COMPUTER LITERACY, IN A. S. KEPNER (EDS.), COMPUTER IN THE CLASS ROOM, WASHINGTON, DC: NATIONAL EDUCATION ASSOCIATION, 1982, 26-62. 40. KOOHANG, A. A., A STUDY OF THE ATTITUDES OF PRESERVICE TEACHERS TOWARD THE USE OF COMPUTERS, JOURNAL OF EDUCATIONAL COMPUTING RESEARCH, FALL, 1987, 148-148. 41. LOCKHEED, M. E., NIELSEN, A., & STONE, M. K., DETERMINANTS OF MICROCOMPUTER LITERACY IN HIGH SCHOOL STUDENTS, JOURNAL OF EDUCATIONAL COMPUTING RESEARCH, 1(1), 1985, 81-96. 42. LOYD, B. H. & GRESSARD, C., AGE AND STAFF DEVELOPMENT EXPERIENCE WITH COMPUTERS AS FACTORS AFFECTING TEACHER ATTITUDES TOWARD COMPUTERS, SCHOOL SCIENCE AND MATHEMATICS, MARCH, 1985, 203-209. 43. LOYD, B. H. & GRESSARD, C., RELIABILITY AND FACTORIAL VALIDITY OF COMPUTER ATTITUDE SCALES, EDUCATIONAL AND PSYCHOLOGICAL MEASUREMENT, 1984, VOL. 44, 501-505. 44. LUKE, A., READING AND CRITICAL LITERACY: REDEFINING THE GREAT DEBATE, ERIC ED 345211, 1992. 45. MANGAN, J. M., THE IDEOLOGY OF COMPUTER LITERACY IN SCHOOL, ED 349940, 1992. 46. MARCOULIDES, G. A., ANALYZING THE RELATIONSHIP BETWEEN COMPUTER APTITUDE AND COMPUTER ANXIETY, PROCEEDINGS OF THE TENTH WESTERN EDUCATIONAL COMPUTER CONFERENCE, 10, 1986, 227-229. 47. MARCOULIDES, G. A., MEASURING COMPUTER ANXIETY: THE COMPUTER ANXIETY SCALE, EDUCATIONAL AND PSYCHOLOGICAL MEASUREMENT, 1985, 733-739. 48. MARCOULIDES, G. A., THE RELATIONSHIP BETWEEN COMPUTER ANXIETY AND COMPUTER ACHIEVEMENT, JOURNAL OF EDUCATIONAL COMPUTING RESEARCH, 4(2), 1988, 151-158. 49. MARILYN E. GIST, CATHERINE SCHWOERER & BENSON ROSEN, EFFECTS OF ALTERNATIVE TRAINING METHODS ON SELF-EFFICACY AND PERFORMANCE IN COMPUTER SOFTWARE TRAINING, JOURNAL OF APPLIED PSYCHOLOGY, 1989, VOL. 74, NO. 6, 884-891. 50. MAURER, M. M. & SIMONSON, M. R., DEVELOPMENT AND VALIDATION OF A MEASURE OF COMPUTER ANXIETY, PAPER PRESENTED AT THE ANNUAL MEETING OF ASSOCIATION FOR EDUCATIONAL COMMUNICATIONS AND TECHNOLOGY, DALLAS, TX., 1984. 51. MOLNAR, A. R., THE COMING OF COMPUTER LITERACY, EDUCATIONAL TECHNOLOGY, 21(1), 1981, 26-28. 52. MOURSUND, DAVID, PRECOLLEGE COMPUTER LITERACY: A

PERSONAL COMPUTING APPROACH, EUGENE, OREGON: ICCE., 1981. 53. NELSON, R.R. & CHENEY P.H., TRAINING END USER: AN EXPLORATORY STUDY, MIS QUARTERLY, DECEMBER, 1987. 54. NELSON, L.J., WIESE, G. M. & COOPER, J., GETTING STARTED WITH COMPUTERS: EXPERIENCE, ANXIETY, AND RELATIONAL STYLE, COMPUTERS IN HUMAN BEHAVIOR, 1991, 185-202. 55. POWER, W.G., THE EFFECTS OF PRIOR EXPOSURE ON MAN-MACHINE COMPUTER ANXIETY, IN PAPER PRESENTED AT THE MEETING OF THE INTERNATIONAL COMMUNICATION ASSOCIATION CONVENTION, MONTREAL (ERIC DOCUMENT ED089763), 1973. 56. ROSEN, L.D., SEARSM, D.C. & WEIL, M.M., COMPUTERPHOBIA HAVIOR RESEARCH METHODS, INSTRUMENTS & COMPUTERS, 19(2), 1987, 167-179. 57. ROTH, W.G., TREATMENT IMPLICATIONS DERIVED FROM SELF-EFFICACY RESEARCH WITH CHILDREN, DOCTOR OF PSYCHOLOGY RESEARCH PAPER, BIOLA UNIVERSITY, CALIFORNIA, 1985. 58. S. IAN ROBERTSON, JUDITH CALDER, PAT FUNG, ANN JONES & TIM O'SHEA, COMPUTER ATTITUDES IN AN ENGLISH SECONDARY SCHOOL, COMPUTER EDUCATION, VOL.24, NO.2, 1995, 73-81. 59. SCHUNK, D.H., SELF-EFFICACY AND COGNITIVE SKILL LEARNING: RESEARCH ON MOTIVATION IN EDUCATION, VOL.3, 1989, 13-44. 60. SIMONSON, M.R., MATT, A. & MAURER M.M., DEVELOPMENT OF A STANDARDIZED TEST OF COMPUTER LITERACY AND A COMPUTER ANXIETY INDEX, JOURNAL OF EDUCATIONAL COMPUTING RESEARCH, 3(2), 1987, 231-247. 61. THOMPSON, C.J., AND FRISKE, J.S., PROGRAMMING: IMPACT ON COMPUTER LITERACY TRAINING FOR TEACHERS, JOURNAL OF RESEARCH ON COMPUTING IN EDUCATION, VOL 20, 1988, 367-374. 62. WATT, D.H., COMPUTER LITERARY: WHAT SHOULD SCHOOLS BE DOING ABOUT IT?, CLASSROOM COMPUTER NEWS, NOVEMBER-DECEMBER, 1980, 1-26. 63. WEIL, M.M., ROSEN, L.D. & WUGALTER, S.E., THE ETIOLOGY OF COMPUTERPHOBIA, COMPUTER IN HUMAN BEHAVIOR, 1990, 361-379. 64. WELLS, G., APPRENTICESHIP IN LITERARY, INTERCHANGE, 18(12), 1987, 109-123. 65. WILLIAMS, S.L. & WATSON, N., PERCEIVED SELF-EFFICACY AS COGNITIVE DETERMINANTS OF ACROPHOBIC BEHAVIOR, BEHAVIOR THERAPY, 16, 1985, 136-146. 66. YUSUF QUTAMI & MAJED ABU-JABER, STUDENT SELF-EFFICACY IN COMPUTER SKILLS AS A FUNCTION OF GENDER AND COGNITIVE LEARNING STYLE AT SULTAN QABOOS UNIVERSITY, INTERNATIONAL JOURNAL OF INSTRUCTIONAL MEDIA, VOL.24, 1997, 63-75.