

## References

1. AJ Houweling et al (2005) Determinants of Under-5 Mortality Among The Poor and The Rich: A cross-national Analysis of 43 Developing Countries, *International Journal of Epidemiology* , PP 1257 – 1265.
2. AP Alio et al , 2012 ,The Effect of Paternal Age on Fetal Birth Outcomes, *SAGE Journals* , *American Journal of Men health* .  
<https://journals.sagepub.com/doi/full/10.1177/1557988312440718>
3. ALVIN C. RENCHER (1995) *Methods of Multivariate Analysis*, Second Edition, A JOHN WILEY & SONS, INC. PUBLICATION
4. Arifeen S. et al (2001), Breastfeeding Reduces Acute Respiratory Infection and Diarrhea Deaths Among Infants in Dhaka Slums, *Journal of ResearchGate*.
5. Aristide R. et al (2016) Women's Education and Health Inequalities in Under-Five Mortality in Selected Sub-Saharan African Countries, 1990–2015, *Journal of PLOSE ONE* ,  
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0159186>
6. Bandura et al (1992) A Theory-Based Dietary Intervention for Overweight, Postpartum Mothers and Their Children Improves Maternal Vegetable Intake, *Scientific Research* , PP 679 – 692,  
<https://pdfs.semanticscholar.org/83ea/ebc5ff919e4ee45b17a2763cae40dbfba963.pdf>
7. Bello. R. A (2014) Determinants of Child Mortality in Oyo State, Nigeria, *African Research Review*. <file:///C:/Users/HP/Downloads/101345-Article%20Text-269344-1-10-20140221.pdf>

8. Betrán AP et al ( 2001) Ecological Study of Effect of Breast Feeding on Infant Mortality in Latin America, PMC Pub Med Central .  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC37315/>
9. Beyer et al ,2003, Tabaco Control Policy: Strategies, Successes and Tetback Washington, DC World Bank and International Development Research Center.
10. Blair,1996, Reproductive and Developmental Effects from Exposure to Secondhand Smoke, National Library of Medicine,  
<https://www.ncbi.nlm.nih.gov/books/NBK44317/>
11. Bosma H. et al (1997) Low Job Control and Risk of Coronary Heart Disease in Whitehall II (prospective cohort) Study, PMC Pub Med Central.  
<https://pubmed.ncbi.nlm.nih.gov/9055714/>
12. Bryant F. B. et al (1995) Principal-Components Analysis and Confirmatory factor analysis , American Psychological Association, Washington DC, 99-136.
13. Cattell, R. B. (1966) The Scree Plot Test for the Number of Factors, Multivariate Behavioral Research, Taylor Francis Online ,New York London PP 245-276 .
14. Cochran W.G. (1977) Sampling Techniques. Third Edition, John Wiley & Sons, New York.
15. Cornelia Kaldewei et al (2011) Behavioral Factors as Emerging Main Determinants of Child Mortality in Middle-Income Countries: A Case Study of Jordan, ResearchGate.  
[https://www.researchgate.net/publication/228614250\\_Behavioural\\_Factors\\_as\\_Emerging\\_Main\\_Determinants\\_of\\_Child\\_Mortality\\_in\\_Middle-Income\\_Countries\\_A\\_Case\\_Study\\_of\\_Jordan](https://www.researchgate.net/publication/228614250_Behavioural_Factors_as_Emerging_Main_Determinants_of_Child_Mortality_in_Middle-Income_Countries_A_Case_Study_of_Jordan)

16. Costello, A. B etal (2005) Best practices in exploratory factor analysis, ResearchGate, [https://www.researchgate.net/publication/209835856\\_Best\\_Practices\\_in\\_Exploratory\\_Factor\\_Analysis\\_Four\\_Recommendations\\_for\\_Getting\\_the\\_Most\\_From\\_Your\\_Analysis](https://www.researchgate.net/publication/209835856_Best_Practices_in_Exploratory_Factor_Analysis_Four_Recommendations_for_Getting_the_Most_From_Your_Analysis)
17. Cox, D.R. etal (1989) Analysis of Binary Data. 2nd Edition, Chapman and Hall/CRC, London.
18. Cragg, S. G. etal (1970) The demand for automobiles. Canadian Journal of Economics, vol. 3, PP 386-406, [https://econpapers.repec.org/article/cjeissued/v\\_3a3\\_3ay\\_3a1970\\_3ai\\_3a3\\_3ap\\_3a386-406.htm](https://econpapers.repec.org/article/cjeissued/v_3a3_3ay_3a1970_3ai_3a3_3ap_3a386-406.htm)
19. Danzhen Y etal (2012) Levels and Trends in Child Mortality. [http://www.who.int/entity/maternal\\_child\\_adolescent/documents/levels\\_trends\\_child\\_mortality\\_2012.pdf](http://www.who.int/entity/maternal_child_adolescent/documents/levels_trends_child_mortality_2012.pdf)
20. Diego etal (2009) Inadequate Use of Prenatal Services Among Brazilian Women: The Role of Maternal Characteristics, A journal of peer-review research, <https://www.guttmacher.org/journals/ipsrh/2009/inadequate-use-prenatal-services-among-brazilian-women-role-maternal>
21. Edward E. (1983) Cureton, Ralph B. D'Agostino, Factor Analysis: An Applied Approach, Psychological Press, Taylor Francis Online, New York London
22. Elo etal (1979) Educational differentials in mortality: United States, Social Science & Medicine, PP 47- 57, <https://www.sciencedirect.com/science/article/pii/0277953695000623>
23. Enny Ruducha etal (2015) How Ethiopia achieved MDG 4 through multi sectoral interventions, Social Science & Medicine, PP 1142-1151 <https://www.sciencedirect.com/science/article/pii/S2214109X17303315>

24. Freedman (2007) Making Motherhood Safe in Developing Countries, The New England Journal of Medicine, <https://www.nejm.org/doi/full/10.1056/nejmp078026>
25. Gorsuch, R (1983) Factor analysis Second Edition, Hillsdale, NJ: Lawrence Erlbaum Associates.
26. Greenwood BM et al (1989) The effects of malaria chemoprophylaxis given by traditional birth attendants on the course and outcome of pregnancy. Trans R Soc Trop Med Hyg. National Center of Biotechnology Information . <https://pubmed.ncbi.nlm.nih.gov/2617619/>
27. H Pollack et al (2000) Maternal smoking and adverse birth outcomes among singletons and twins, National Center of Biotechnology Information , <https://pubmed.ncbi.nlm.nih.gov/10705857/>
28. Harman H.H. (1976) Modern Factor Analysis. Third Edition, The University of Chicago Press,
29. Chicago et al (2006), Use of Exploratory Analysis in Published Research. ResearchGate, [https://www.researchgate.net/publication/247728606\\_Use\\_of\\_Exploratory\\_Factor\\_Analysis\\_in\\_Published\\_ResearchCommon\\_Errors\\_and\\_Some\\_Comment\\_on\\_Improved\\_Practice](https://www.researchgate.net/publication/247728606_Use_of_Exploratory_Factor_Analysis_in_Published_ResearchCommon_Errors_and_Some_Comment_on_Improved_Practice)
30. Hosmer, D.W. and Lemeshow, S (2000) Applied logistic regression. Second Edition, John Wiley & Sons, New York.

31. J. P. Smith (1999) Healthy Bodies and Thick Wallets: The Dual Relation Between Health and Economic Status, American Economic Association, <https://www.aeaweb.org/articles?id=10.1257/jep.13.2.145>
32. Karasek, R. etal (1990) Healthy Work: Stress, Productivity, and the Reconstruction of Working Life. New York: Basic Books.
34. Kington & Smith (1997) Demographic and economic correlates of health in old age, National Center of Biotechnology Information, <https://pubmed.ncbi.nlm.nih.gov/9074837/>
35. Kleinbaum, Kupper, and Muller, Applied (1988) Regression Analysis and Other Multivariable Methods Third Edition. PSW Kent, Boston.
36. Ledyard R etal (1997), Exploratory Factor Analysis, <https://labs.dgsom.ucla.edu/hays/files/view/docs/factor.pdf>
37. Maddala, G.S. (1983) Limited-Dependent and Qualitative Variables in Econometrics, Cambridge University Press.
38. McDonald, R. P (1985) Factor analysis and related methods, The American Educational Research Association.
39. McKeown etal (1976): The Relationship Between Public Health and Social Change, PMC, National Center of Biotechnology Information, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1447152/>
40. Menard (2000) Coefficients of Determination for Multiple Logistic Regression Analysis, Taylor Francis Online, New York London, <https://www.tandfonline.com/doi/abs/10.1080/00031305.2000.10474502>

41. Mousley Chen (1984) An Analytical Framework for The Study of Child Survival in Developing Countries: Public Health Classics. PMC, National Center of Biotechnology Information, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2572391/>

42. Munos MK etal (2010) The effect of rotavirus vaccine on diarrhoea mortality, PMC, National Center of Biotechnology Information, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2845861/>

43. Nortman (1974) Contraceptive practice required to meet a prescribed crude birth rate target: a proposed macro-model (tabrap) and hypothetical illustrations, PMC, National Center of Biotechnology Information, <https://pubmed.ncbi.nlm.nih.gov/1164942/>

44. Poma P.A (1999) Effect of prenatal care on infant mortality rates according to birth-death certificate files, PMC, National Center of Biotechnology Information. <https://pubmed.ncbi.nlm.nih.gov/10517072/>

45. R. J. Rummel (1970). Applied Factor Analysis. Evanston: Northwestern University Press.

46. Rajeshwari etal (2013) Effect of Birth Interval and Wealth on Under-5child Mortality in Nigeria, Clinical Epidemiology and Global Health, [https://cegh.net/article/S2213-3984\(18\)30092-7/fulltext](https://cegh.net/article/S2213-3984(18)30092-7/fulltext) .

47. Reynolds, etal (2006) Adolescents' use of maternal and child health services in developing countries, PMC, National Center of Biotechnology Information, <https://pubmed.ncbi.nlm.nih.gov/16723297/>.

48. Robert & House (1996) Path-goal Theory of Leadership: Lessons, Legacy, and A Reformulated Theory, ScienceDirect, <https://www.sciencedirect.com/science/article/pii/S1048984396900247>
49. Robert E B etal (2010) Global, Regional, and National Causes of Child Mortality in 2008: A Systematic Analysis, PMC, National Center of Biotechnology Information, <https://pubmed.ncbi.nlm.nih.gov/20466419/>
50. Ross & Wu (1995) The Links Between Education and Health, American Sociological Association. <https://www.jstor.org/stable/2096319>
51. Sazawal S. (2003) etal Pneumonia Case Management Trials Group Effect of Pneumonia Case Management on Mortality in Neonates, Infants, and Preschool Children: A Meta-Analysis of Community-Based Trials. Lancet Infectious Diseases PMC, National Center of Biotechnology Information, <https://pubmed.ncbi.nlm.nih.gov/12954560/>
52. Shea O. Rutstein, Factors Associated with Trends in Infant and Child Mortality in Developing Countries During the 1990s,2000,WHO, [https://www.who.int/bulletin/archives/78\(10\)1256.pdf](https://www.who.int/bulletin/archives/78(10)1256.pdf)
53. Statistics and information department – Ministry of Health Khartoum State 2013
54. Stevens, J. P (2002) Applied Multivariate Statistics for the Social Sciences, APA Psyc Net , <https://psycnet.apa.org/record/2001-18534-000>

55. Sullivan SD et al (2011) FMR1 and the Continuum of Primary Ovarian Insufficiency, PMC, National Center of Biotechnology Information, <https://pubmed.ncbi.nlm.nih.gov/21969264/>

56. Tabachnick, B. G., & Fidell, L. S (2007), Using multivariate statistics Fifth edition, Boston, MA, APA Psyc Net, <https://psycnet.apa.org/record/2006-03883-000>

57. UN (2011) Millennium Development Goals, [https://www.who.int/pmnch/knowledge/topics/about\\_mdgs/en/](https://www.who.int/pmnch/knowledge/topics/about_mdgs/en/)

58. UNESCAP (2007) Economic and Social Survey of Asia and the Pacific, <https://www.unescap.org/resources/economic-and-social-survey-asia-and-pacific-2007>

59. UNICEF (2018) Under-five mortality, UNICEF data: Monitoring the situation of children and women, <https://data.unicef.org/topic/child-survival/under-five-mortality/>

59. U N (2015) The Millennium Development Goals Report , [https://www.un.org/millenniumgoals/2015\\_MDG\\_Report/pdf/MDG%202015%20rev%20\(July%201\).pdf](https://www.un.org/millenniumgoals/2015_MDG_Report/pdf/MDG%202015%20rev%20(July%201).pdf)

60. World Bank (2017) Sudan - Mortality Rate, Under-5 (per 1,000) <https://tradingeconomics.com/sudan/mortality-rate-under-5-per-1-000-wb-data.html>

61-UNICEF (2011) Levels & Trends in Child Mortality , estimates Developed by the UN Inter-agency Group for Child Mortality Estimation [https://www.unicef.org/media/files/Child\\_Mortality\\_Report\\_2011\\_Final.pdf](https://www.unicef.org/media/files/Child_Mortality_Report_2011_Final.pdf)



61. UNICEF (2012) Levels & Trends in Child Mortality , [https://www.unicef.org/videoaudio/PDFs/UNICEF\\_2012\\_child\\_mortality\\_for\\_web\\_0904.pdf](https://www.unicef.org/videoaudio/PDFs/UNICEF_2012_child_mortality_for_web_0904.pdf)
62. Vogt W. P. (1993) Dictionary of Statistics and Methodology: A nontechnical Guide for The Social Sciences. APA Psyc Net, <https://psycnet.apa.org/record/1993-98436-000>
63. Walker N. etal (2002) Meeting International Goals in Child Survival and HIV/AIDS. Lancet. PMC, National Center of Biotechnology Information, <https://pubmed.ncbi.nlm.nih.gov/12147371/>
64. WHO (1978) Primary health care : report of the International Conference on Primary Health Care, Alma-Ata, USSR, 6-12 September 1978 / jointly sponsored by the World Health Organization and the United Nations Children's Fund  
[,https://www.unicef.org/about/history/files/Alma\\_Atata\\_conference\\_1978\\_report.pdf](https://www.unicef.org/about/history/files/Alma_Atata_conference_1978_report.pdf)
65. WHO (2004) Life expectancy and Healthy life expectancy Data by country, <https://apps.who.int/gho/data/node.main.688>
66. WHO (2005) Progress for children, A report card on immunization , [https://www.unicef.org/progressforchildren/2005n3/PFC3\\_English2005.pdf](https://www.unicef.org/progressforchildren/2005n3/PFC3_English2005.pdf)
67. WHO (2003) The burden of malaria in Africa, The Africa Malaria Report – 2003, [https://whqlibdoc.who.int/hq/2003/WHO\\_CDS\\_MAL\\_2003.1093.pdf](https://whqlibdoc.who.int/hq/2003/WHO_CDS_MAL_2003.1093.pdf)
68. Williams B. G. (2002) Estimates of World-Wide Distribution of Child Deaths from Acute Respiratory Tract Infections. Lancet Infectious Diseases. PMC,

National Center of Biotechnology Information.  
<https://pubmed.ncbi.nlm.nih.gov/11892493/>

69. Yaremko, R. M. et al (1986), Handbook of Research and Quantitative Methods in Ppsychology , Taylor Francis Online, New York London, <https://www.taylorfrancis.com/books/mono/10.4324/9780203767740/handbook-research-quantitative-methods-psychology-yaremko-herbert-harari-robert-harrison-elizabeth-lynn>

70.Zucker,J.R.(1993),andCampbell,C.C.Malaria,principlesandpreventionandtreatm ent, [https://gammadelta-t-therapy.creative-biolabs.com/t-cell-therapy-development-for-plasmodium-infections-and-human-malaria.htm?gclid=CjwKCAjwu\\_mSBhAYEiwA5BBmfwROoTIG5yDG7PjNBzyRB2jt3L\\_AhcUpEhmbyNVp5cXgFcZtd55SmxoC3gwQAvD\\_BwE](https://gammadelta-t-therapy.creative-biolabs.com/t-cell-therapy-development-for-plasmodium-infections-and-human-malaria.htm?gclid=CjwKCAjwu_mSBhAYEiwA5BBmfwROoTIG5yDG7PjNBzyRB2jt3L_AhcUpEhmbyNVp5cXgFcZtd55SmxoC3gwQAvD_BwE)