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	Authors:	Mohammad Abazid, Duaa Alkoud
	Paper Title:	A Least-Squares Approach To Prediction The Future Sales of Pharmacy
1.	<p>Abstract: The least square methods (LSM) are widely utilized in data fitting, with the best fit minimizing the residual squared sum. LSM can be divided into two categories, the ordinary or linear LSM and the nonlinear LSM, this depends on the residuals. To statistically analyzed regression, the linear LSM most have a solution that is closed form. Conversely, the nonlinear LSM is analyzed using the iterative refinement. In this paper, the best fit of the data that correspond to pharmacy sales for the year 2019 and 2020 is evaluated using the LS method. The results revealed that the trend value for 2014, 2015, 2016, 2017, 2018, 2019, 2020 and 2021 is found to be 10200, 27300, 44400, 61500, 78600, 95700, 112800 and 129900 respectively.</p> <p>Keywords: The Least Square Methods, LSM, Pharmacy, Sales.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Marquardt, D. W. (1963). An algorithm for least-squares estimation of nonlinear parameters. <i>Journal of the society for Industrial and Applied Mathematics</i>, 11(2), 431-441. 2. Reid, F. (2000). The mathematician and the banknote: Carl Friedrich Gauss. <i>Parabola</i>, 36(2), 2-9. 3. Menke, W. (2015). Review of the generalized least squares method. <i>Surveys in Geophysics</i>, 36(1), 1-25. 4. Bates, D. M., & Watts, D. G. (1988). <i>Nonlinear regression analysis and its applications</i> Wiley, New York. 5. Harper, H. L. (1974). The method of least squares and some alternatives. Part I, II, III, IV, V, VI. <i>International Statistical Review</i>, 42, 147-174. 6. Seal, H. L. (1967). Studies in the History of Probability and Statistics. XV The historical development of the Gauss linear model. <i>Biometrika</i>, 54(1-2), 1-24. 7. Nie, N. H., Bent, D. H., & Hull, C. H. (1970). <i>SPSS: Statistical package for the social sciences</i> (No. HA29 S6). New York: McGraw-Hill. 8. Larson, R., & Farber, E. (2000). <i>Elementary statistics: picturing the World</i>. Prentice Hall. 9. Boyd, S., & Vandenberghe, L. (2004). <i>Convex optimization</i>. Cambridge university press. 10. Deakin, R. E. (1991). A review of Least Squares theory applied to traverse adjustment. <i>Australian surveyor</i>, 36(3), 245-253. 11. Miller, S. J. (2006). The method of least squares. <i>Mathematics Department Brown University</i>, 1-7. 12. Abdi, H. (2007). The method of least squares. <i>Encyclopedia of Measurement and Statistics</i>. CA, USA: Thousand Oaks. 13. Suykens, J. A., & Vandewalle, J. (1999). Least squares support vector machine classifiers. <i>Neural processing letters</i>, 9(3), 293-300. 14. Mosteller, F. (2006). Remarks on the method of paired comparisons: I. The least squares solution assuming equal standard deviations and equal correlations. In <i>Selected Papers of Frederick Mosteller</i> (pp. 157-162). Springer, New York, NY. 15. Teunissen, P. J. (1995). The least-squares ambiguity decorrelation adjustment: a method for fast GPS integer ambiguity estimation. <i>Journal of geodesy</i>, 70(1-2), 65-82. 	
2.	Authors:	Hüseyin Gökçeku, Dania AL-Othman
	Paper Title:	Impacts of Climate Change on Human Health
	<p>Abstract: Climate change poses major challenges to human society and to Earth systems, influencing the functioning of many ecosystems and thereby affecting human health. Many climate change/variability and extreme weather-associated events, such as sea level rise, hurricanes, and storm surge, as well as other weather extremes, including excessive precipitation and heatwaves, have direct and/or indirect impacts on human health. These impacts include death/injury, cardiovascular and respiratory diseases, environmentally-mediated infectious diseases, and mental health, among others. The aim of this study is describing health impacts of the climate change through projected trends in climate-change-related health. The paper consists, the priority of introduction part is to define impacts of climate change on human health, and to present the relevant relationship between global climate change and health and it's provide a background on climate change effect on health.</p> <p>Keywords: Climate Change, Health, Health Systems, Diseases.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Intergovernmental Panel on Climate Change. <i>Climate Change 2001: The Scientific Basis: Contribution of Working Group I to the Third Assessment Report</i> 1–944. 2. Intergovernmental Panel on Climate Change. <i>Climate Change 2001: Impacts Adaptation, and Vulnerability. Contribution of Working Group II to the Third Assessment Report</i> 1–1000. 3. Stott, P. A., Stone, D. A. & Allen, M. R. Human contribution to the European heatwave of 2003. <i>Nature</i> 432, 610–614 (2004). 4. Patz, J. A., Epstein, P. R., Burke, T. A. & Balbus, J. M. Global climate change and emerging infectious diseases. <i>J. Am. Med. Assoc.</i> 275, 217–223 (1996). 5. Confalonieri U et al. (2007). Human health. In: Parry ML et al., eds. <i>Climate change 2007: Impacts, adaptation and vulnerability. Contribution of working group II to the fourth assessment report of the Intergovernmental Panel on Climate Change</i>. Cambridge, Cambridge University Press: 391–431. 6. McMichael A et al. (2003a). <i>Climate change and human health: Risks and responses</i>. Geneva, World Health Organization. 7. WHO (2002). <i>The world health report 2002</i>. Geneva, World Health Organization. 8. WHO (2009). <i>Protecting health from climate change: Connecting science, policy and people</i>. Geneva, World Health Organization. 9. IPCC (2007b). Working group I contribution to the fourth assessment report of the Intergovernmental Panel on Climate Change: <i>Climate change 2007 – the physical science basis. Summary for policymakers</i>. Geneva, Intergovernmental Panel on Climate Change Secretariat. 10. Watson, R.T., Zinyowera, M.C. & Moss, R.H. (1998) <i>The Regional Impacts of Climate Change. An Assessment of Vulnerability. A Special Report of IPCC Working Group II</i>. Cambridge, Cambridge University Press, 1998. 11. IPCC (2007) <i>Climate Change 2007: Impacts Adaptation and Vulnerability. Contributions of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change</i>, Cambridge, UK: Cambridge University Press. 12. Omumbo, J.A., Lyon, B., Waweru, S.M., Connor, and S.J. & Thomson, M.C. (2011) Raised temperatures over Kericho tea estates: revisiting the climate in the East African highlands malaria debate. <i>Malaria Journal</i> 10:2. 13. Mwandosya, M.J., Nyenzi, B.S. & Luhanga, M.L. (1998) <i>The Assessment of Vulnerability and Adaptation to Climate Change Impacts in Tanzania</i>. Dar-es-Salaam, Tanzania: Centre for Energy, Environment, Science and Technology (CEEST). 14. IPCC (2001) <i>Intergovernmental Panel on Climate Change (IPCC) 2001. Climate Change 2001: Impacts, Adaptation, and Vulnerability</i>. 	

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Authors: Hüseyin Gökçeku, Saddam Hussain

Paper Title: Assessing the Review of Impact of Climate Change on Transportation

Abstract: Environmental change represents a basic danger to future advancement, especially in territories where neediness is far reaching and key resources, for example, framework are immature for even current needs. The commitment of the transport frameworks, including air, road and ocean, are rolling out to atmosphere improvement through the emanation of green house (GHG) gases, and new innovations and projects of activity to relieve their effect on atmosphere is assessed. The exercises of the transport frameworks in many nations are sensitive to a scope of climate extremes, including those identified with precipitation, rainstorms, temperature, winds, perceivability and ocean level. The effect of atmosphere, atmosphere changeability and environmental change, specifically the effect of these extremes on transport frameworks and adjustment measures are examined. This paper likewise addresses the outline of atmosphere and effect on transportation.

Keywords: Climate, Climate Change, Transportation, Precipitation, Green House Gases.

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