Annotated Bibliography

1. E. Matthies, M. Nachreiner, and H. Wallis, "Adolescents and electricity consumption; Investigating sociodemographic, economic, and behavioural influences on electricity consumption in households. (Special Section on the European Union: Markets and Regulators)," Energy Policy, vol. 94, pp. 224-234, 2016.

   In this journal article Matthies et al. reviewed the research on various factors of electricity usage and hierarchical regression analysis to systematically investigate the electricity consumption. The authors aimed to describe the indirect impacts of socio demographic also economic determinants on electricity use by considering electricity usage behaviours and purchasing. They have examined the impact of determinants such as income, number of residents also number of adolescents on electricity usage in our sample. Authors have considered direct impacts like number of IT appliances, hours of use of IT appliances, refrigerators etc and indirect influences like number of residents in a house and amount of time residents spend at home to determine electricity consumption. This journal article is useful to my research topic, as Matthies et al. has explored the reasons for variation in the electricity consumption like IT appliances usage, Electronic appliances and the amount of time residents spend at home using the home appliances. This journal article is limited only to household electricity it doesn't provide electricity information for companies, institutions and others. The authors suggest that result shown in the journal article need to more carefully examine relationships between socio-demographic variables and electricity consumption. This journal article describes about the electricity usage in households, so it provides information for my research on electricity usage.

2. I. Dent, T. Craig, U. Aickelin, and T. Rodden, "An Approach for Assessing Clustering of Households by Electricity Usage," 2014.

   Dent et al. Reviewed about the usage behaviour of the electricity in households to cluster the households according to the usage of electricity to improve the electricity network. The authors aim is to find the households general behaviour in electricity usage and develop and efficient way of clustering the households this information is useful for the organisations to allow accurate targeting of behaviour

modification to develop the efficiency of electricity network. Dent et al. in this journal article prepared an approach to cluster households by electricity usage. Firstly, he considered with meter readings through that he developed flexibility of representations for that he took flexibility measures and then he used a clustering algorithm to form clusters then he evaluates the clusters by validating the indexes and decided the final clusters and validate against real data. This journal article describes about how to cluster the households by the daily usage behaviour of electricity by using clustering algorithms which is useful for my research. The clustering is done only on limited data of households. This journal article concludes that we get best clusters of the households by CDI and Davies Boulder indicator are used to evaluate the clusters of a households and while evaluating the clusters we can even add the attributes to improve the quality of the cluster. This journal article provides information on how to cluster the households according to their electricity usage by using indexes which is useful to my research.

3. M. Lenzen, M. Wier, C. Cohen, H. Hayami, S. Pachauri, and R. Schaeffer, "A comparative multivariate analysis of household energy requirements in Australia, Brazil, Denmark, India and Japan," *Energy*, vol. 31, no. 2, pp. 181-207, 2006/02/01/ 2006.

In this journal article Lenzen et al. has given the analysis on consumption of households from a global perspective and access the importance of various characteristics of socioeconomic-demographic household energy requirements and mainly concentrated on the income of the household. The authors aim, and research is to apply indirect energy requirements and direct energy requirements of households. In this journal article authors examine that most of the energy in energy technology allowing for large differences across countries. The authors provide differences of various energy requirements at different stages of development for societies like climatic and geographical conditions, socio-demographic, resource endowments and cultural characteristics. Authors combine all the findings of energy requirements for five countries, ranges from developed to less developed in the world. The journal article describes about the comparison of electricity consumption between five countries like Australia, India, Japan, Brazil and Denmark by considering indirect and direct energy requirements which is useful to my research topic. The authors have selected only five countries to calculate the energy requirements. This article

concludes that socioeconomic-demographic factors on energy requirements generally have similar influences that is household members size and age, apart from uppermost-ranking variable expenditure also every country has sequence of significant driving factors and different selection which will explain the energy requirements. The whole article reviewed about the energy requirements in various countries which is not my basis of my research, but it provides supplementary information about energy requirements.

4. M. Lenzen, "Energy and greenhouse gas cost of living for Australia during 1993/94," Energy, vol. 23, no. 6, pp. 497-516, 1998/06/01/ 1998.

   Lenzen et al. in this journal article reviewed about the prerequisite for greenhouse gases and energy in Australia for different characteristics of leaving and how these propositions vary while changing household aspects. The authors aim shows the requirements of greenhouse gas emission and energy in Australia and he did research on electricity and greenhouse gases from Australian household expenditure survey which composed information about income, expenditure, and others from 8389 household's members in private residence in Australia. The information contains average weekly household expenditure on 376 commodities and number of households are divided by number of household members. This journal article describes about the cost of living for electricity in Australia which is useful for my research topic that is which Australian households spend most on electricity. The authors research in this journal article is limited only to Australian household's electricity usage. In journal article authors conclude that only 30% of the electricity expenditure is done by direct consumption of fuel and electricity, remaining being indirectly consumed through non-energy commodities like petrol for cars, dairy Products etc. The journal article provides research on electricity usage in Australian households which is related to my research topic, so I can find the households that pay more on electricity bills.

5. A. K. Pears, "Imagining Australia's energy services futures," *Futures*, vol. 39, no. 2, pp. 253-271, 2007/03/01/ 2007.

   This journal article discusses about the past and future trends in Australia's energy service requirements and assesses the inference for energy supply. The authors aim is to predict the future electricity services by evaluating energy usage on different

types like household electricity usage, industry which includes mining and agriculture, transport, lifestyle. This journal article discusses about how the Australians usage electricity in different fields like households, mining, agriculture transport, lifestyle. The authors in this journal article presented the research on electricity usage in Australian households which is useful to my research topic. The research has been done in Australian households. The authors mention that electricity appliances use more electricity in the Australian households. This research topic explores the variation of the Australian households it provides data of Australian household's electricity usage which is useful to my research topic.

6. S. Speidel and T. Bräunl, "Driving and charging patterns of electric vehicles for energy usage," Renewable and Sustainable Energy Reviews, vol. 40, pp. 97-110, 2014/12/01/ 2014.

   Speidel et al. in this journal article reviewed the electricity usage on transport that is electric vehicles how much they consume electricity in home and charging stations. The authors aim, and research is based on how much the electric vehicles consume electricity in home and charging stations by the picture which has information about charging network provider, charging stations, gps tracker, gps tracker server, Web server, database on how they maintain and charge their vehicles. This journal article discusses about the electricity usage on electric vehicles at home, business and charging stations. Authors did research on how much electricity usage is done on electric vehicles at home information is useful to my research. The research is done on Western Australian state electric vehicle trial and ongoing electric vehicle charging research network in Perth. The information confirms that most charging is handled at home locations (55%) and business. However, charging stations were only used for 33% of charging events. This research shows the electricity usage on electric vehicles in Australian households this information is useful to my research topic.

7. M. Lenzen, C. Dey, and B. Foran, "Energy requirements of Sydney households," Ecological Economics, vol. 49, no. 3, pp. 375-399, 2004/07/01/ 2004.

   In this journal article Lenzen et al. focused on energy requirements of Sydney households which provides details about direct and indirect energy consumption in cities. The authors aim, and research is to reduce energy use by calculating the

indirect and direct energy use of the Sydney households and consider only the direct energy use. The research is based on relationship between energy consumption and household members size, age, income, degree of urbanity. The structural path study will express the significant comparison in lifestyles between outer and inner places of Sydney leads to different energy consumption aspects. This journal article is useful to my research because it provides information about how to calculate direct and indirect energy use. The authors research in this article is limited to Sydney households. In generic sense the combined indirect and direct requirements for electricity, water and land increase regularly with per-capita income. This journal article deals with the energy requirements of Sydney households which does not give the basis of my research but provides supplementary information regarding direct and indirect electricity usage.

8. Z. M. Chen and G. Q. Chen, "An overview of energy consumption of the globalized world economy," Energy Policy, vol. 39, no. 10, pp. 5920-5928, 2011/10/01/ 2011.

In this journal article Z.M Chen et al. Reviewed about the overview of the world economy in energy usage. The authors aim is to predict the overall energy consumption of the world for more distant research on industry of global economy for the assessment of low carbon buildings as well as low energy necessitates a systematic framework based on the consistent embodied intensity database. The scope of this journal article is to present the overview of the energy consumption by considering the 112 region that is 94 nations and 18 supranational regions, 57 sector coupled systems input output simulation for energy usage in 2004. This journal article is useful to my research project because it provides information regarding electricity usage of the world by different economic activities for energy consumption like household consumption, interregional trades, investment etc. The authors research in energy consumption is limited during the year 2004. The embodied energy excess is obtained by 77 regions when deficiency is obtained by other 35 regions with the America has the biggest energy importer where as china is the biggest exporter. After the research china is to replace America as the world’s top embodied energy consumer in 2027. This journal article does not provide basis of my research, but it provides supplementary information for my research topic on consumption of energy in Australia.

9. K. Atalay, S. Whelan, and J. Yates, "Housing Wealth and Household Consumption: New Evidence from Australia and Canada," E. School Of, Ed., ed, 2013.

    Atalay et al. reviewed about the relationship between consumption of the households and wealth he tested the hypotheses by using repeated household disbursement surveys from Australia and Canada. The authors aim in this journal article is to differentiate between the different explanations that have been provided for the observed relationship between household usage and prices. In this paper the primary research question is what the observed correlation between usage and asset prices in Australia and Canada is is. The authors provide information above household usage and wealth in Australia which is useful to my research to find the households that spend more on electricity. The data which is provided is limited to Australia and Canada regarding the variation of household consumption and wealth. The focus of the analysis has been differences between the different transmission mechanism to link consumption and housing wealth behaviour this information is rely solely on regional level or aggregate house price indexes, analysis using aggregated measures of house prices. This paper discusses about the variation between household wealth and consumption which does not provide basis of my research topic but provides supplementary information regarding household usage to my research topic.

10. R. Kellogg, "Efficiency in energy production and consumption," S. Borenstein and J. Perloff, Eds., ed: ProQuest Dissertations Publishing, 2008.

    Kellogg et al. discussed about the efficiency of energy of electricity consumption by doing experiment with daylight saving time and energy in Sydney Olympics in 2000. The authors aim is to check whether the daylight-saving time reduces the electricity usage or not by doing experiment in Sydney Olympics in 2000. In this journal article the authors scope is to validate the consumption of energy on Sydney Olympics by using daylight time and energy whether the daylight-saving time will reduce the electricity usage, or it consumes more than electricity usage. This journal article is useful to my research because it has explored the variation of energy consumption in Sydney Olympics. This research is only limited to Sydney Olympics electricity consumption. The authors concluded that the daylight-saving time impact on electricity using a quasi-experiment where the parts of Australia extends the daylight-saving time, but the extension did not reduce the overall electricity

consumption. This article did not form the basis of my research but provides the supplementary information on electricity consumption.

11. C. BLUE. (2018, January 15). What is the average electricity bill. Available: https://www.canstarblue.com.au/energy/electricity/average-electricity-bills/

    Simon Downes reviewed about the electricity bills across all the states of Australia, by household size and customer aged. The authors aim is to compare all the bills across all the electricity providers in Australia so that the customers can know whether they are getting the good deal by electricity providers. The scope of this article is to consider all the electricity bills across all the states in Australia so that which electricity company is providing a good deal on electricity usage. This journal article provides information on electricity consumption across the states in Australia, so this data is useful for my research topic. The research is done in Australian households which has cheapest and average electricity bills. The author concludes that south Australia has highest electricity bills and the new south wales has lowest electricity bills, but it always depends on the customer age and household size and electricity provider. This article provides supplementary information on electricity consumption across the states to my research topic.