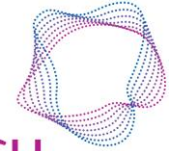# 12 Finalists for the National Data Viz Video Challenge

Name of team	Institution	Summary of Presentation	Data resources
A Team	Temasek Polytechnic	This project shows that being aware of the distribution of jobs and taking up upgrading initiatives, such as SkillsFuture, are essential in helping people find employment where there are suitable job vacancies.	• Number of Infocomm Jobs, Graduates by Type of Course (Data.gov.sg) • Unemployment and Job Vacancy (Ministry of Manpower)
ABang Data Team	National University of Singapore, Nanyang Technological University and Singapore Management University	Property prices, like any other asset class, will rise or fall. This project explores the valuation of HDB purchases using a method used for stocks – the price to earnings ratio. The insights show that public property prices in Singapore do go down over time and citizens should be aware that relying on a HDB flat alone might not be sufficient for one's retirement.	• Resale Prices of Singapore HDB from 2007 to 2017 (Data.gov.sg) • HDB Resale Price Index from 1990 to 2017 (Data.gov.sg) • HDB Median Rental Price from 2007 to 2017 (Data.gov.sg)
Fire Side Stories	Singapore University of Technology and Design	Open data is everywhere, but many do not realise its existence until we experience its impact. This project shows us how Open Data can influence our daily decision making, such as in the choice of food, transport and housing.	• URA Private Residential Properties, Rental Information (URA Space) • Price Trends Graphs, Nearby Commute Paths (99.co)
Hajima	Nanyang Technological University and Singapore University of Technology and Design	This project explores how a change in perception of ex-offenders can make it easier for them to be assimilated into society. The insights show that many ex-offenders do go on to make a positive difference if they are given an opportunity and everyone can play a part in helping them assimilate back into society.	• Academic Results of Inmates (Data.gov.sg) • Convicted Penal Population by Offence Group 2015 (Data.gov.sg) • Job Retention Rate for 6 Months (Data.gov.sg) • Assault Rate Per 10000 Inmates (Data.gov.sg) • Employment Assistance for Offenders (Data.gov.sg)

ANNEX 1

			• Recidivism Rate (Data.gov.sg)
Open Data Advocates	Ngee Ann Polytechnic	Youths transiting into adulthood may find themselves facing multiple lifestyle decisions and options. This project calculates and projects potential retirement ages for individuals based on that lifestyle choice. The insights show that we are better able to plan our life and retirement by cross-analysing our choices in housing, car ownership, family size, household expenses.	• Graduate Starting Salary Tables 2015 (Ministry of Manpower) • Graduate Employment Survey Universities (Data.gov.sg) • Average Monthly Household Expenditure by Household Size and Type of Dwelling (Data.gov.sg) • Car Cost (One Motoring) • Price Tag of Raising a Child in Singapore (The Asian Parent)
Ryzal Kamis	Singapore Institute of Management (Global Education)	Parents and students look at various sources to locate a school that is right for their child or themselves. This project explores an integrated application to help them filter primary, secondary and special education schools within a certain proximity and even includes accessibility criteria for disabled students. These insights allow for more informed decisions based on a student's needs. Link to application prototype: bit.ly/SSLbrownrice	• List of all Schools by Cluster (Data.gov.sg) • List of All Schools by Level of Education (Data.gov.sg) • List of School Addresses 2016 (Data.gov.sg) • Secondary Schools by Planning Area, School Type, and Distinctive Programmes (Data.gov.sg) • Secondary Schools with Special Needs Facilities Resources (Data.gov.sg) • Wheelchair-Accessible Bus Services (Data.gov.sg) • List of SPED Schools (Ministry of Education) • Resources to Support Mainstream Students with Special Needs (Ministry of Education) • Primary Schools by Planning Area (Ministry of Education) • Integrated Programme (Ministry of Education) • Schools Directory (School Information Service)
Team CEJM	Nanyang Polytechnic	With global warming and the depletion of fossil fuels, it is important to find reliable and renewable sources of energy. This project explores the use of solar power in Singapore in the hopes of achieving a greener and energy self-sufficient society.	• Half Hourly System Demand (Data.gov.sg) • Solar Photovoltaic Systems (Energy Market Authority) • Singapore can Tap More Solar Power (National Climate Change Secretariat) • Solar Roadmap (National Climate Change Secretariat)

Team Cruz	Institute of Technical Education (Central)	This project compares the different modes of transportation in Singapore and their resulting carbon footprint. The insights propose a plan to build more cycling paths, bicycle racks and underground parking systems to tackle the challenges of an increasing population and to better manage road traffic.	• Cycling Path Network (Data.gov.sg) • Annual Motor Vehicle Population (Data.gov.sg) • Climate Change & Energy (Data.gov.sg) • Land Transport Masterplan 2013 (LTA Datamall) • Benefits of Cycling – (Bikedataproject.org & Web Health Journal)
Team N.I.C.E.	Institute of Technical Education (East)	Singapore has made leaps and bounds in the effort to achieve water self-sufficiency. This project explores how the country can achieve water self-sufficiency by 2061 and why raising public awareness of conserving water is a key part of these efforts.	• Rainfall – Monthly Total (Data.gov.sg) • Water Demand – Domestic Water Consumption Per Capita (Data.gov.sg) • Public Outreach – Number of lifestyle events held at reservoirs and waterways (Mewr.gov.sg)
Team ShiMarson	Institute of Technical Education (West)	Faced with a rapidly ageing population, eldercare in Singapore has become increasingly important. This project cross-analyses eldercare facilities and census information to show where more eldercare facilities may be needed in Singapore.	• Directory of Eldercare Services (Data.gov.sg) • Basic Demographic Characteristics (Department of Statistics) • URA Master Plan 2014 Planning Area Boundary (No Sea) (Data.gov.sg) • List of School Addresses by Ministry of Education (Data.gov.sg)
Team TongQiang	National University of Singapore	Our lifestyles have evolved over the decades. This project explores how a typical Singaporean born in 1965, 1980 and 2000 lives. The insights, referencing factors such as education cost, career trends and salary, average marriage age and increase in monthly expenses, show how the lives of Singaporeans will continue to evolve.	• Students and Teachers in School (Data.gov.sg) • Median Age at First Marriage of Grooms and Brides Married Under the Women's Charter by Educational Qualification, Annual (Data.gov.sg) • Public Transport Utilisation – Average Daily Public Transport Ridership (Data.gov.sg) • Mobile Penetration Rate (Data.gov.sg) • M014061-Private Consumption Expenditure At 2010 Market Prices, Annual (Singstat.gov.sg) • M182171-Employed Residents Aged 15 Years And Over By Occupation And Age Group, (June), Annual (Singstat.gov.sg) • Resident Households By Household Size, Annual

			• M182941-Average Monthly Nominal Earnings Per Employee, Annual (Singstat.gov.sg) • M810411-Average Number Of Children Born By Age Group Of Resident (Singstat.gov.sg) • Ever-married Females, Annual (Singstat.gov.sg) • M850251-Enrolment In Educational Institutions, Annual (Singstat.gov.sg)
The Second Chance	Ngee Ann Polytechnic	This project explores reintegrating ex-offenders back into society and how rehabilitative initiatives such as the Yellow Ribbon Project and acceptance of ex-offenders would lead to a decreasing incarceration rate.	• Incarceration rates in Singapore (Data.gov.sg) • Convicted Penal Population by Age Group (Data.gov.sg) • Convicted Penal Population by Offence Group (Data.gov.sg) • Job retention rates (Data.gov.sg) • SCORE Inmates assisted data (Data.gov.sg) • Convicted Penal Admission (Data.gov.sg) • Inmates trained (Data.gov.sg)

Note: The finalists in the table are in alphabetical order.