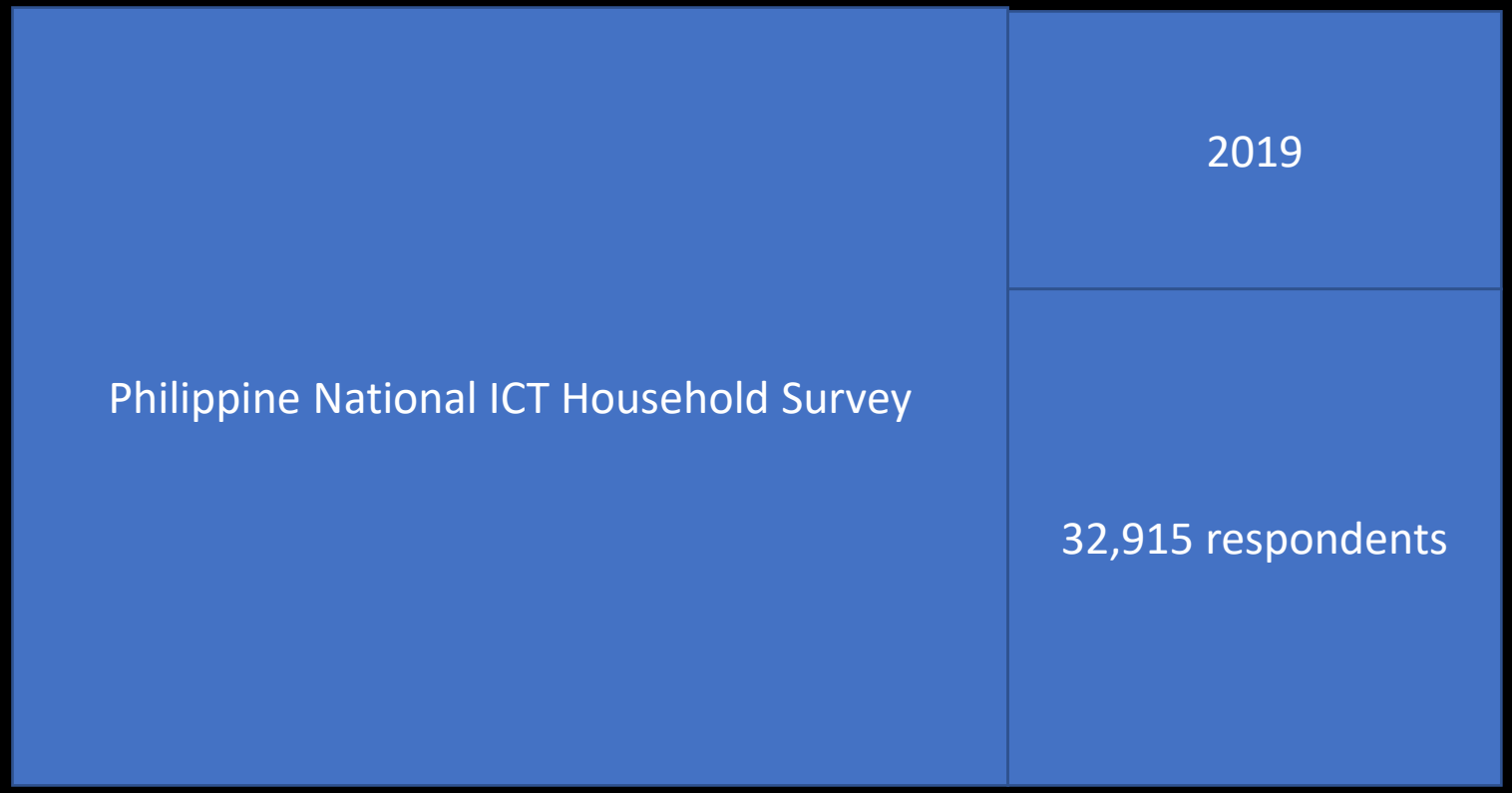
The Future is Here

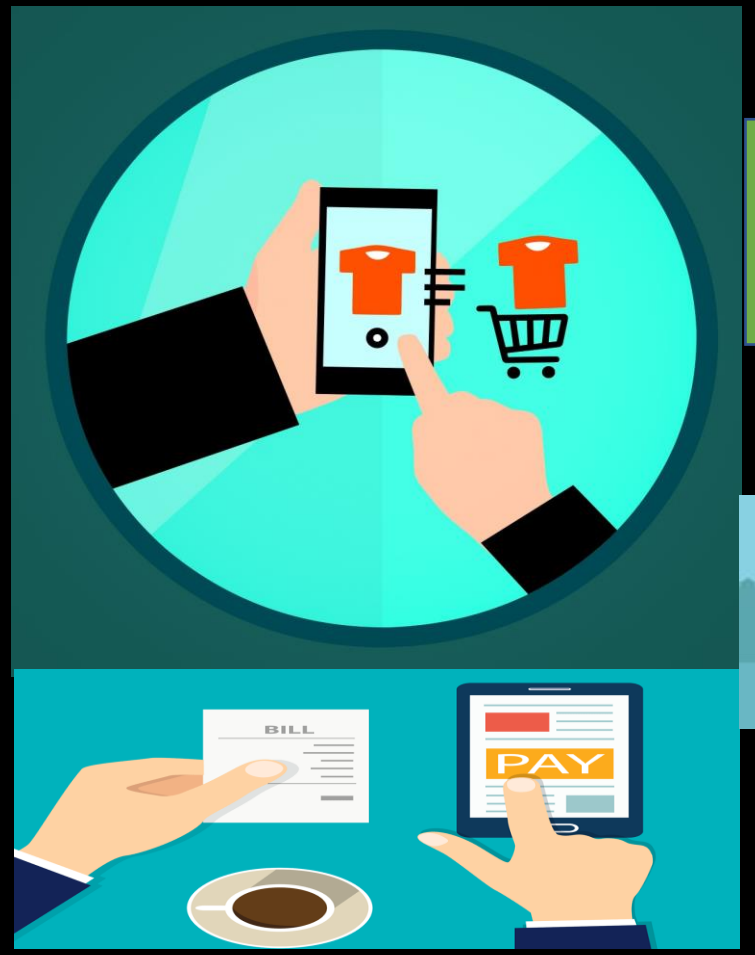
Statistics and Statisticians: Vision of the Future



Study on the E-Commerce Activities of Individuals in the Philippines

Lisa Grace S. Bersales; Manuel Leonard F. Albis; Sabrina O. Romasoc; Shushimita G. Pelayo

15 % do e-commerce



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Study on the E-Commerce Activities of Individuals in the Philippines

Lisa Grace S. Bersales; Manuel Leonard F. Albis; Sabrina O. Romasoc; Shushimita G. Pelayo

- not interested in online trade (61.0%)
- lack of knowledge and skills that hinder their becoming online sellers (37.2%)

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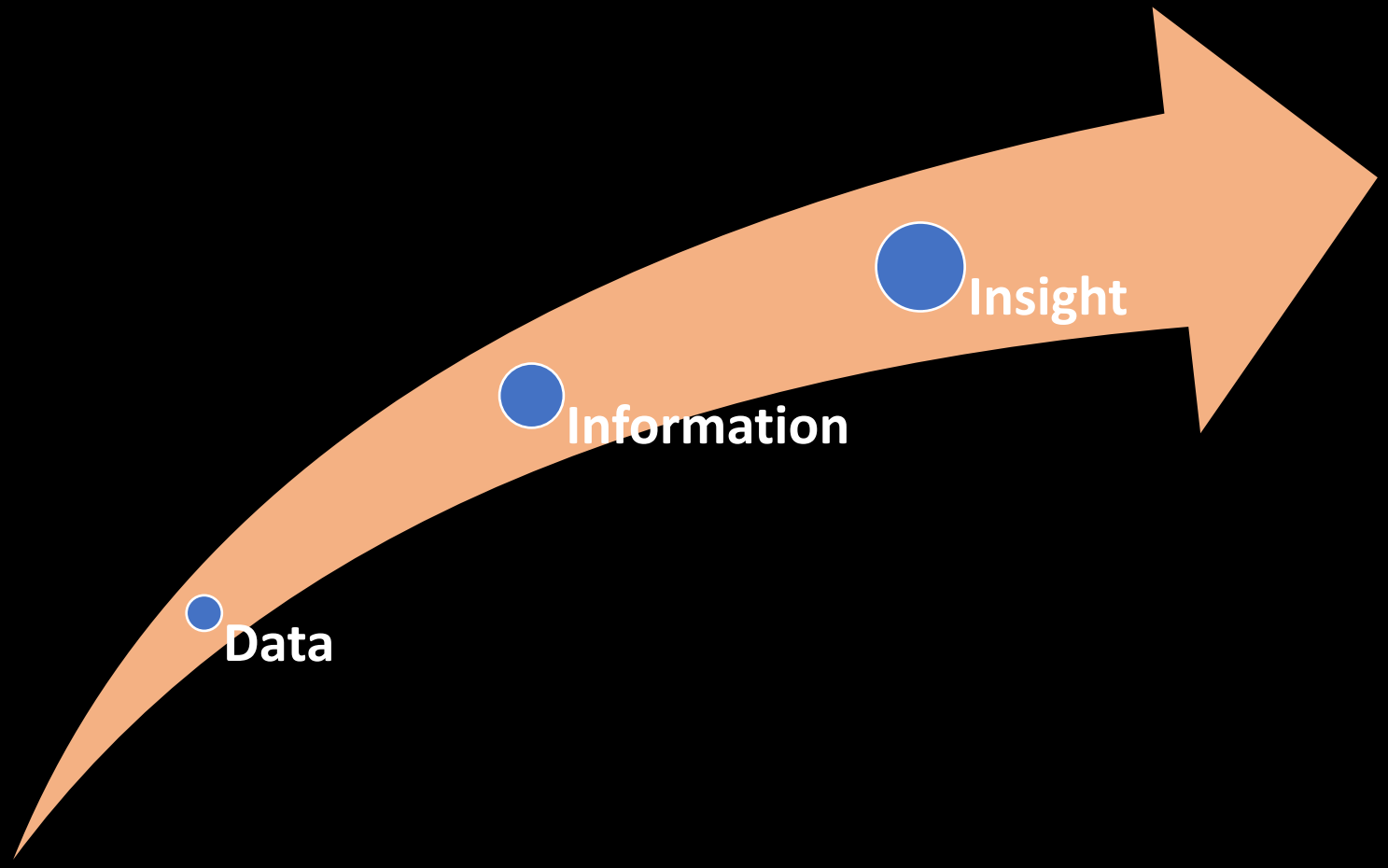
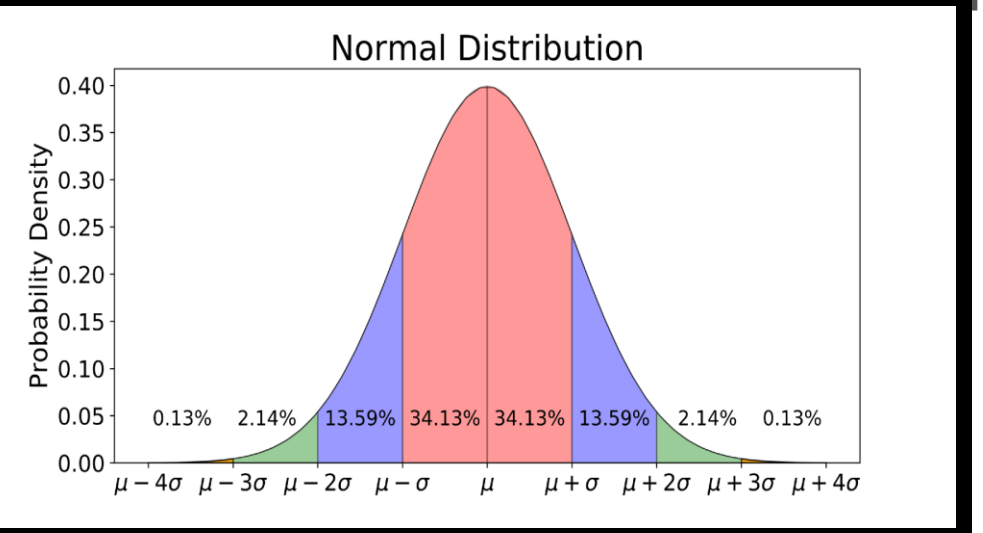
“The goal is to turn data into information, and information into insight.”

– Carly Fiorina, former president and chair of Hewlett-Packard Co.



Reference: p. 2, World Development Report 2021 Data for Better Lives Concept Note



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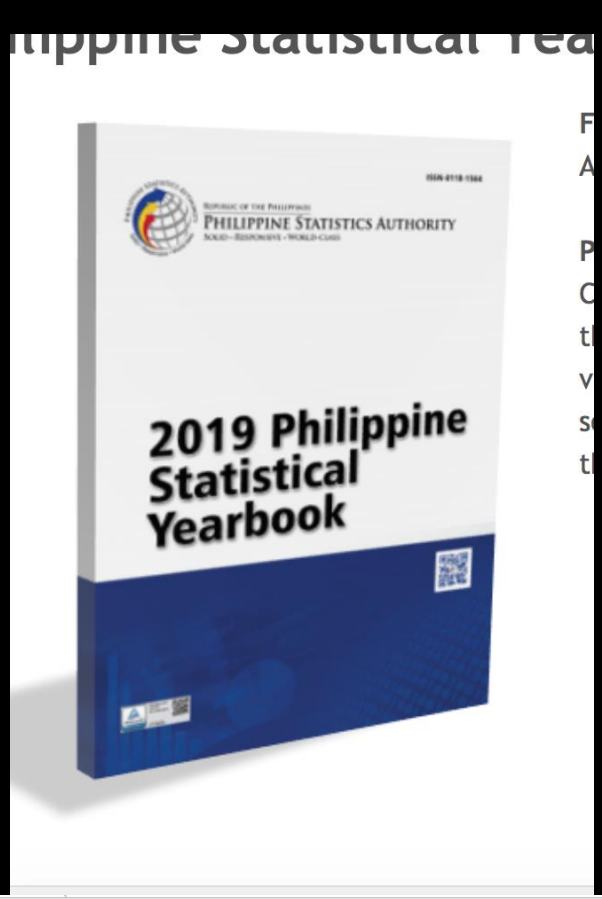

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BLUE

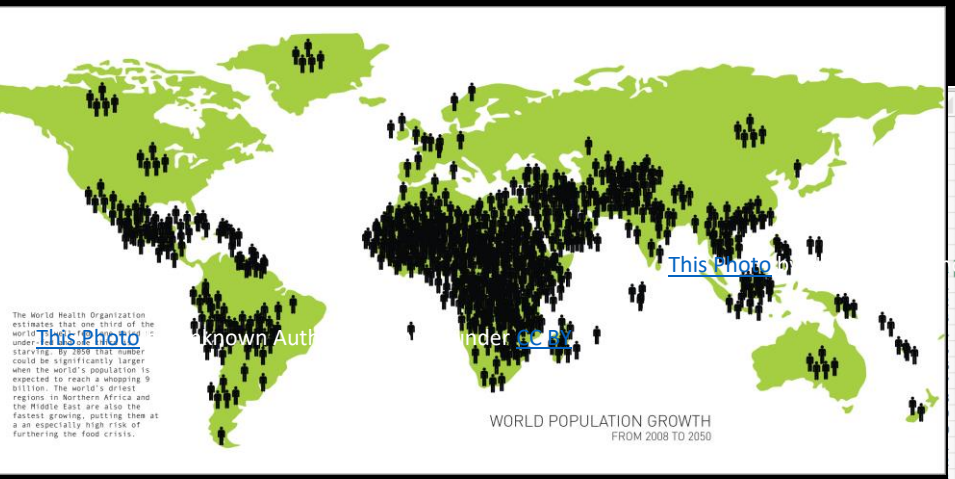

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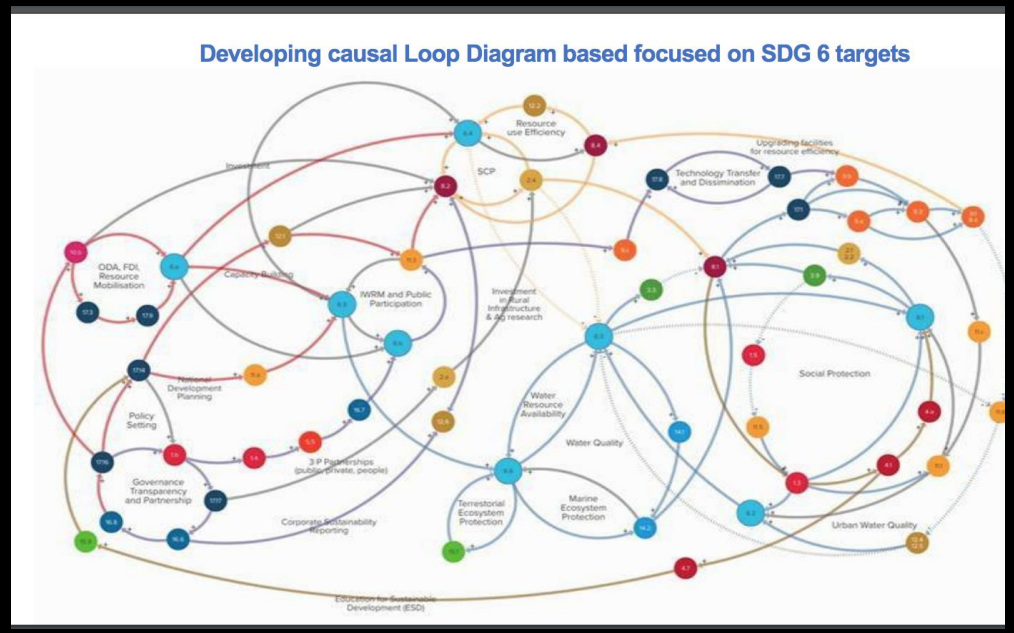
Table 1 Number of Families, Total and Average Annual Family Income and Expenditure by Region: 2018

Region	Number of Families (In thousands)	Income		Expenditure	
		Total (In millions)	Average (In thousands)	Total (In millions)	Average (In thousands)
Philippines	24,747	7,754,486	313	5,905,688	239
National Capital Region (NCR)	3,318	1,527,770	460	1,223,445	369
Cordillera Administrative Region (CAR)	422	149,519	354	97,290	230
Region I (Ilocos Region)	1,213	348,097	287	248,059	205
Region II (Cagayan Valley)	853	225,945	265	148,503	174
Region III (Central Luzon)	2,783	929,598	334	752,116	270
Region IV-A (CALABARZON)	3,760	1,444,429	384	1,145,420	305
MIMAROPA Region	737	189,684	257	128,792	175
Region V (Bicol Region)	1,280	300,778	235	247,626	193
Region VI (Western Visayas)	1,832	486,534	266	370,758	202
Region VII (Central Visayas)	1,839	566,572	308	375,362	204
Region VIII (Eastern Visayas)	1,059	239,889	227	189,091	179
Region IX (Zamboanga Peninsula)	839	191,059	228	136,256	162
Region X (Northern Mindanao)	1,120	280,508	250	195,666	175
Region XI (Davao Region)	1,284	344,108	268	243,347	189
Region XII (SOCCSKSARGEN)	1,131	273,827	242	205,013	181
Region XIII (Caraga)	619	150,299	243	115,659	187
Autonomous Region in Muslim Mindanao (ARMM)	657	105,870	161	83,284	127

Note: Details may not add up to total due to rounding.
Source: Philippine Statistics Authority, 2018 Family Income and Expenditure Survey



Nikolova and Suleimenova, Overview of the ESCAP Methodology for the Integration of SDGs:SDG6 at the Core

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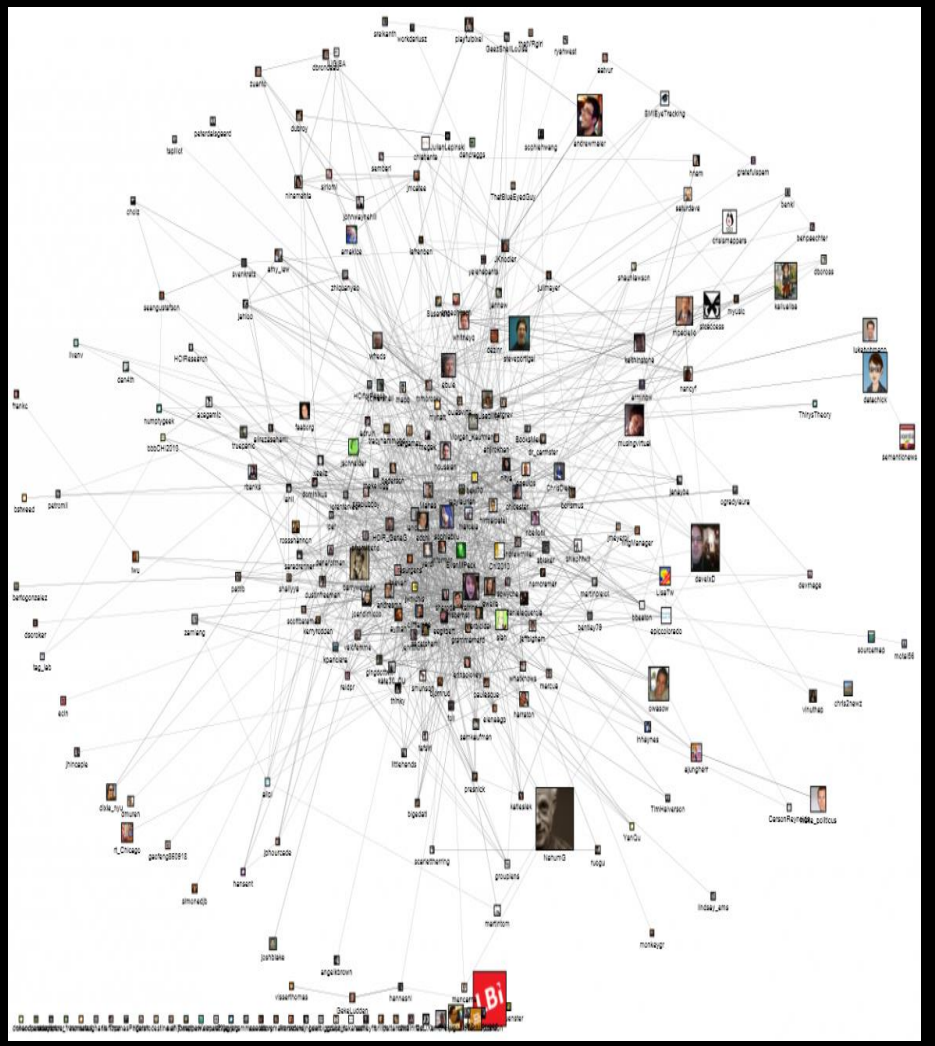

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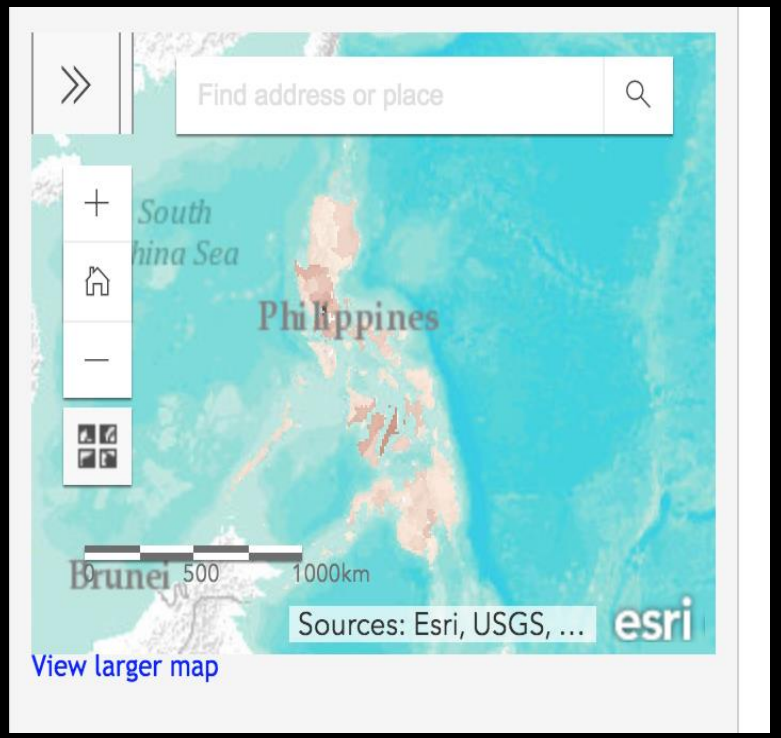


COMPUTATIONAL STATISTICS

Database Portal

OpenSTAT

NO-CONTACT POLICY

WORK FROM HOME

BLENDED LEARNING

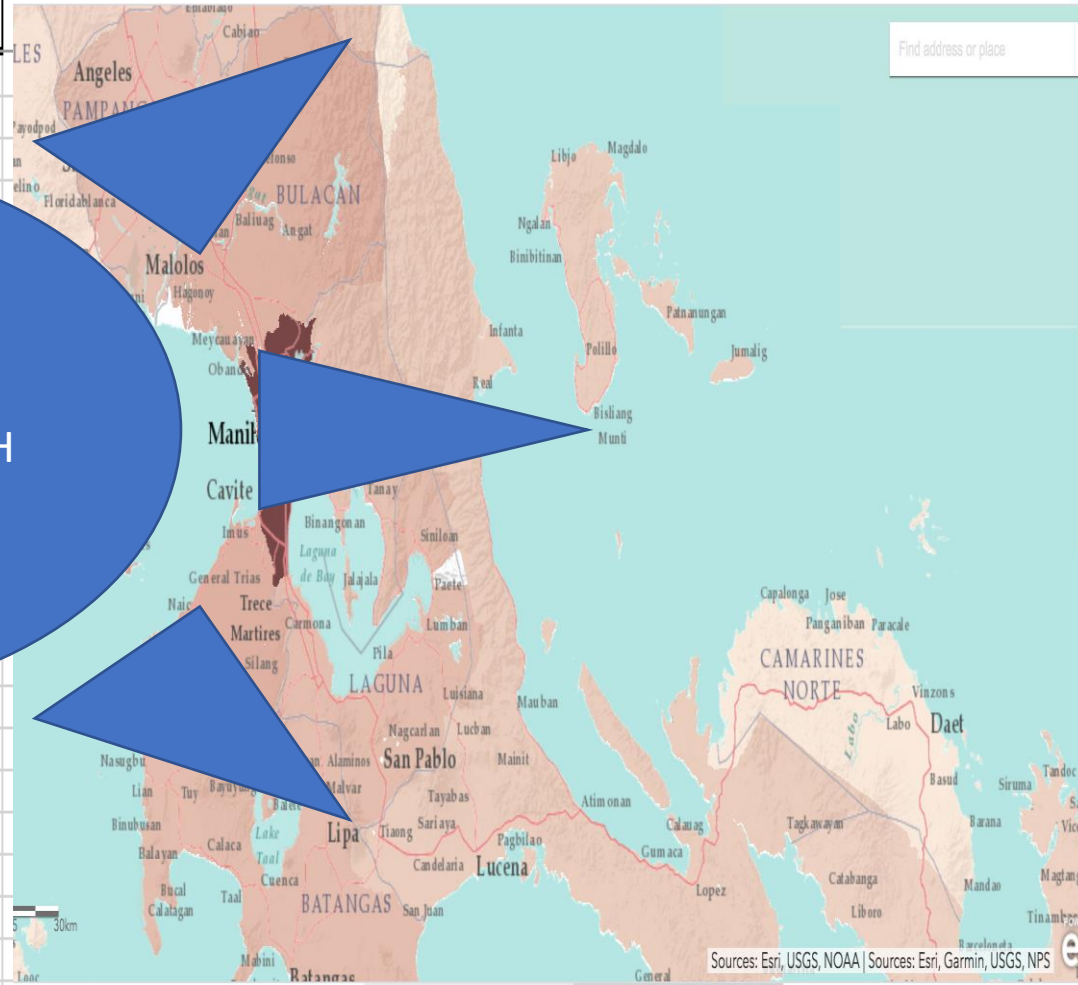
Table 1. Projected Mid-Year 2020 Population 60 Years Old and Over in the Philippines

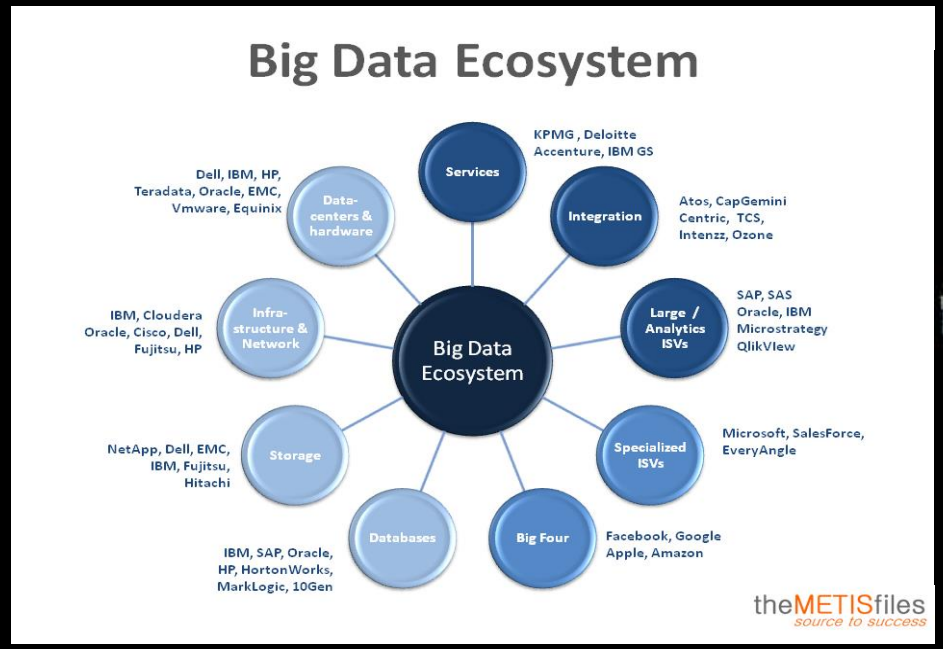
Region/ Province	Total Population	Male	Female	60 Years Old and Over		
				Total	Male	Female
PHILIPPINES	108,771,978	54,93		9,468,416	4,246,222	5,222,194
National Capital Region	13,804,656	6,816,66		1,209,302		688,055
Cordillera Administrative Region	1,807,738	920,040				
Abra	247,402	126,280	121,122			
Apayao	123,898	64,058	59,84			
Benguet	848,552	426,938	42			
Ifugao	210,669					
Kalinga						
Mountain Province						
Region I - Ilocos	5,270,807	2,63	2,6			
Ilocos Norte	613,422	308,210	305			
Ilocos Sur	715,811	360,066	355,745			
La Union	828,193	417,521	410,672			
Pangasinan	3,113,381	1,573,771				
Region II - Cagayan Valley	3,657,741	1,860,2		352,280	160,063	192,217
Batanes	17,875		788	2,065	866	1,199
Cagayan	1,273,319		628,024	130,578		72,282
Isabela	1,685,736	858,067	827,669	158,172		85,766
Nueva Vizcaya	482,893	246,249	236,644	44,676		24,086
Quirino	197,918	101,588	96,330	16,789	7	8,884
Region III - Central Luzon	12,313,718	6,221,441	6,092,277	1,142,471	509,13	633,337

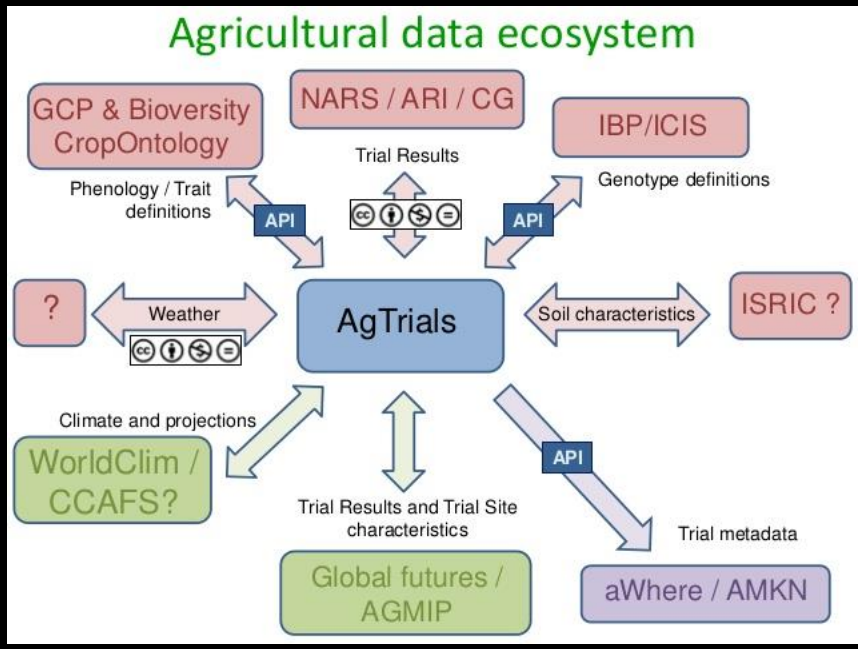
July 2020 Projected Population

INSIGHT!

WHERE SHOULD HEALTH SYSTEM BE PROVIDING RESOURCES?







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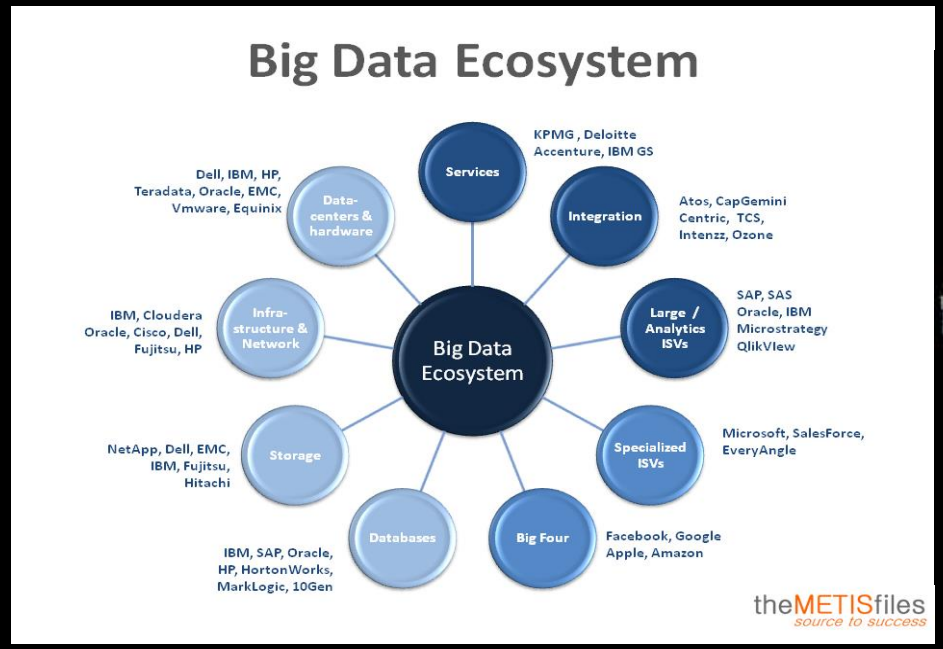
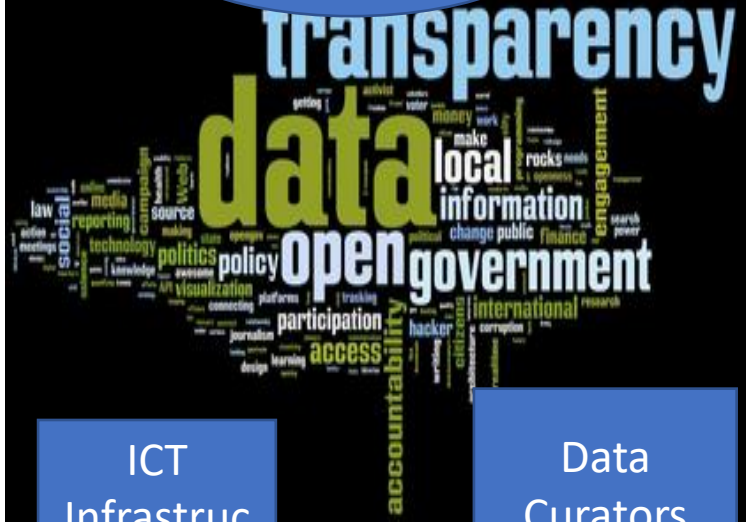
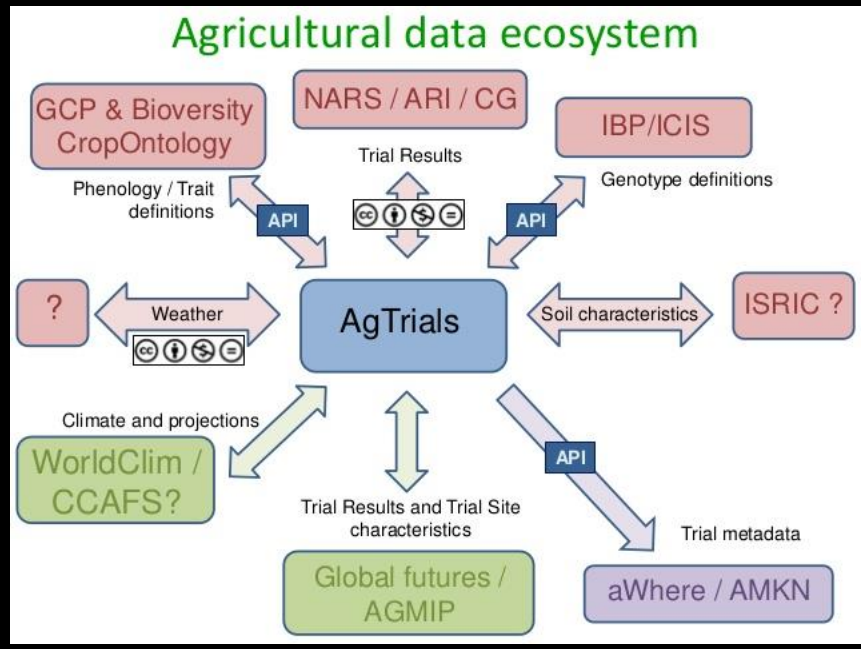


Data Steward



ICT Infrastructure

Data Curators



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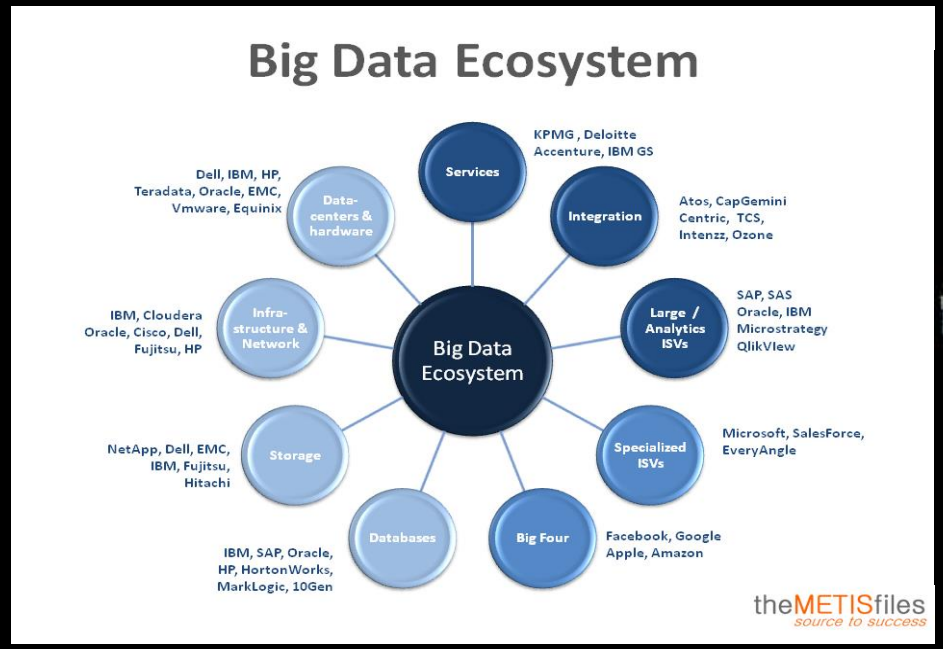

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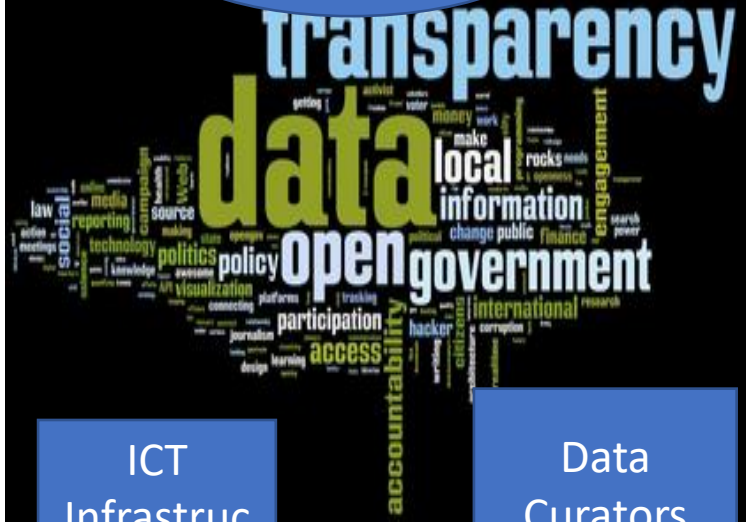
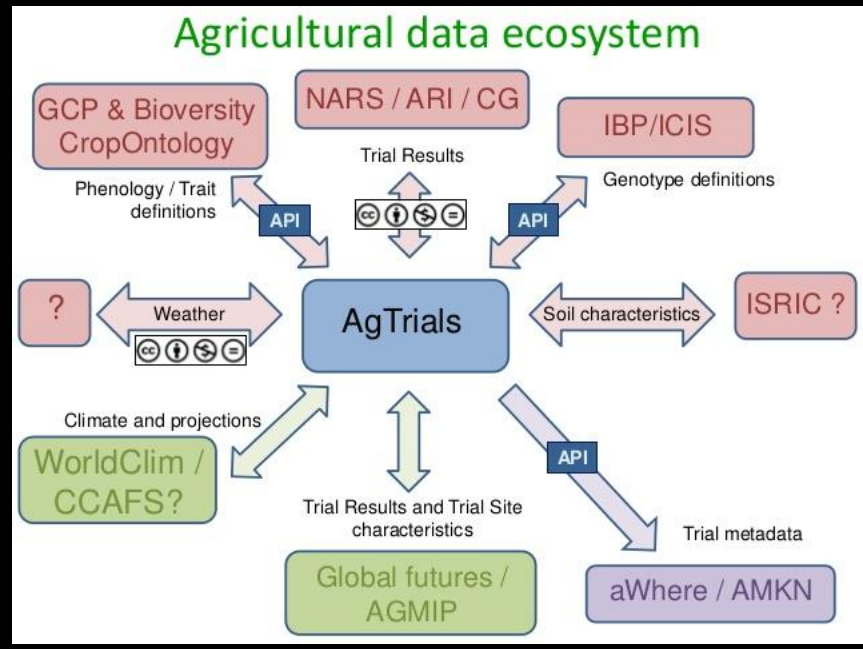


ICT Infrastructure

Data Curators



Legal Frameworks

Standards and Quality Assurance

Private sector, CSOs
Satellite agencies(NASA)

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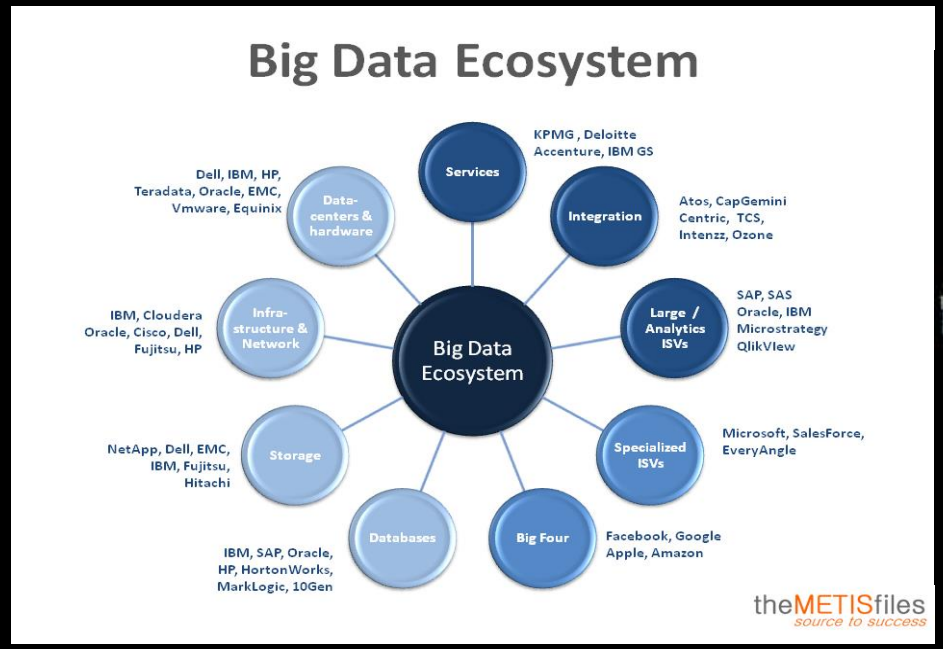

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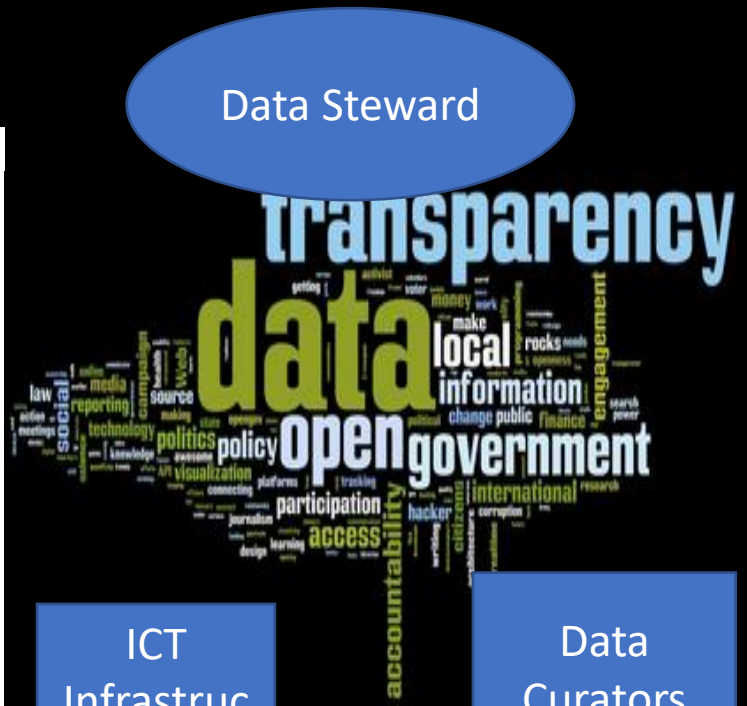

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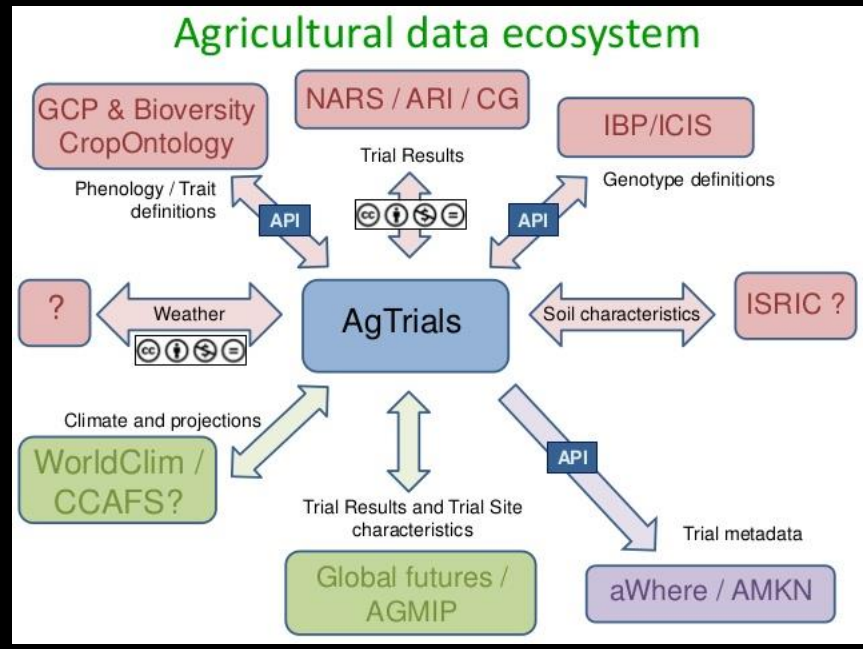

Legal Frameworks

Standards and Quality Assurance

Data Privacy

Private sector, CSOs Satellite agencies(NASA)

New Methodologies

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The future of statisticians

Actuary

Senior Quantitative Analyst

Statistician

Biometrician

Brand optimization Analyst

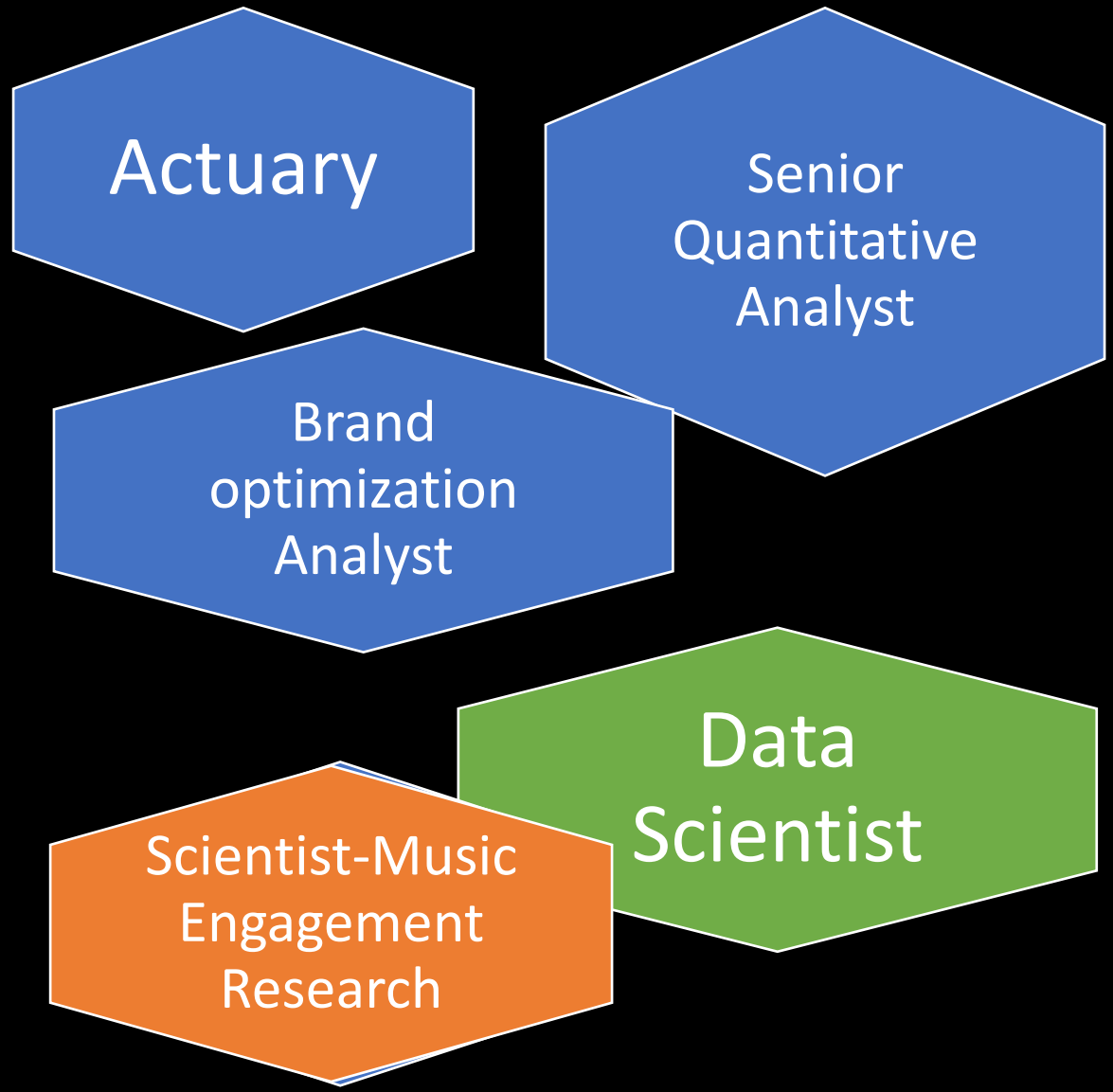
Mudlogger

Royalty Calculation Analyst

Scientist – Experimental Design

Scientist - Medical Research

https://www.stemjobs.com/careers-that-use-statistics/



https://www.stemjobs.com/careers-that-use-statistics/

Data Science

- Multidisciplinary discipline
- Three pillars - information, technology , communication
- Usually paired with big data
- Should be in the context of the data ecosystem

The Future is Here

Thank you!