## A Simple Database (All tables) that I built:

covid19=# select * from participant;							
p_id	p_fname	p_lname	p_gender	p_dob	t_id	pl_id	c_id
+ D001		CMTTU		1000 04 05	T001	+	6001
P001	SAM	SMITH	M	1988-04-05	T001	PL001	C001
P002	ANDY	AMBR0SE	M	1966-12-05	T002	PL002	C002
P003	SUSAN	B0B	F	1945-07-14	T003	PL003	C003
P004	J0EL	EMBIID	M	1992-01-05	T004	PL004	C004
P005	LILY	COLE	F	1956-02-28	T005	PL005	C005
P006	COBY	WHITE	M	1985-11-11	T006	PL006	C006
P007	ISH	SMITH	M	1988-06-15	T007	PL007	C007
P008	TONY	ALLEN	M	1972-07-13	T008	PL008	C008
P009 i	WINSON	AMBER	F	1990-04-17	T009	PL009	C009
P010	NORMAN	POWELL	М	1982-12-06	T010	PL010	C010
P011	ANGILE	KING	F	1979-09-22	T011	PL011	C011
P012	WENDER	HOWELL	M	1969-09-17	T012	PL012	C012
P013	KEELY	MONK	F	1984-01-09	T013	PL013	C013
P014	DAN	SIMMONS	M	1986-02-02	T014	PL014	C014
P015	AUDREY	QUEEN	F	1973-07-07	T015	PL015	C015
P016	TOM	BRAD	M	1965-04-11	T016	PL016	C016
P017	ANDY	AMBR0SE	М	1966-12-05	T017	PL017	C002
P018	RAY	DUNCAN	М	1971-10-10	T018	PL018	C018
P019	P0LLY	WAN	F	1966-06-06	T019	PL019	C019
P020	ANTHONY	JAMES	М	1977-07-07	T020	PL020	C020
(20 rows)							

covid19=# SELECT * FROM CONTACT;						
c_id	c_phone	c_email	c_address	c_postcode		
C001	123456789012345	SAMSMITH@GMAIL.COM	WINSTON CHURCHILL AVE, PORTSMOUTH, HAMPSHIRE	P01 2UP		
C002	223456789012345	ANDYAMBROSE@GMAIL.COM	GAME STATION AVE, PORTSMOUTH, HAMPSHIRE	P01 3AC		
C003	323456789012345	SUSANBOB@GMAIL.COM	KING AVE, PORTSMOUTH, HAMPSHIRE	P01 4RT		
C004	423456789012345	JOELEMBIID@GMAIL.COM	FALL AVE, PORTSMOUTH, HAMPSHIRE	P01 5PL		
C005	623456789012345	LILYCOLE@GMAIL.COM	ROCKET AVE, PORTSMOUTH, HAMPSHIRE	P01 7QA		
C006	723456789012345	COBYWHITE@GMAIL.COM	TABLESPOON AVE, PORTSMOUTH, HAMPSHIRE	P01 8IK		
C007	823456789012345	ISHSMITH@GMAIL.COM	AGRILE AVE, PORTSMOUTH, HAMPSHIRE	P01 9DM		
C008	923456789012345	TONYALLEN@GMAIL.COM	CHAMPION AVE, PORTSMOUTH, HAMPSHIRE	P01 10WC		
C009	103456789012345	WINSONAMBER@GMAIL.COM	DANCE AVE, PORTSMOUTH, HAMPSHIRE	P01 11ZC		
C010	113456789012345	NORMANPOWELL@GMAIL.COM	GEORGE AVE, PORTSMOUTH, HAMPSHIRE	P01 12SH		
C011	133456789012345	ANGILEKING@GMAIL.COM	NAPOLEON AVE, PORTSMOUTH, HAMPSHIRE	P01 13JG		
C012	143456789012345	WENDERHOWELL@GMAIL.COM	SAINT ANTONIO AVE, PORTSMOUTH, HAMPSHIRE	P01 14FB		
C013	153456789012345	KEELYMONK@GMAIL.COM	DALLAS AVE, PORTSMOUTH, HAMPSHIRE	P01 15VF		
C014	163456789012345	DANSIMMONS@GMAIL.COM	NEW JERSEY AVE, PORTSMOUTH, HAMPSHIRE	P01 16YU		
C015	173456789012345	AUDREYQUEEN@GMAIL.COM	OCEAN AVE, PORTSMOUTH, HAMPSHIRE	P01 17KS		
C016	183456789012345	TOMBRAD@GMAIL.COM	NOODLE AVE, PORTSMOUTH, HAMPSHIRE	P01 18DC		
C017	193456789012345	LEONBALL@GMAIL.COM	TURTLE AVE, PORTSMOUTH, HAMPSHIRE	P01 19LP		
C018	203456789012345	RAYDUNCAN@GMAIL.COM	MASK AVE, PORTSMOUTH, HAMPSHIRE	P01 20XS		
C019	213456789012345	POLLYWAN@GMAIL.COM	BRICK AVE, PORTSMOUTH, HAMPSHIRE	P01 21SA		
C020	523456789012345	NULL	FLOWER AVE, PORTSMOUTH, HAMPSHIRE	P01 6RE		
(20 rov	vs)					

<pre>covid19=# SELECT * FROM TEST_CENTRE; tc_id   tc_country</pre>	<pre>covid19=# select * from place; pl_id   pl_name</pre>
TC001   ENGLAND TC002   ENGLAND TC003   ENGLAND TC004   ENGLAND TC005   ENGLAND TC006   SCOTLAND TC007   SCOTLAND TC008   SCOTLAND TC010   SCOTLAND TC010   SCOTLAND TC011   WALES TC012   WALES TC013   WALES TC015   WALES TC016   NORTHERN IRELAND TC017   NORTHERN IRELAND	PL001   STONEHENGE PL002   TOWER OF LONDON PL003   THE ROMAN BATHS PL004   THE BRITISH MUSEUM PL005   NATIONAL RAILWAY MUSEUM PL006   EDINBURGH CASTLE PL007   LOCH LOMOND AQUARIUM PL008   STIRLING CASTLE PL009   KELVINGROVE ART GALLERY PL010   BRITISH GOLF MUSEUM PL011   CARDIFF CASTLE PL012   PORTMEIRION PL013   NATIONAL SLATE MUSEUM PL014   ANGLESEY PL015   SOUTH STACK LIGHTHOUSE PL016   TITANIC BELFAST PL017   CARRICKFERGUS CASTLE
TC018   NORTHERN IRELAND TC019   NORTHERN IRELAND TC020   NORTHERN IRELAND (20 rows)	PL018   ARDS PENINSULA PL019   THE TRANSPORT MUSEUM PL020   LONDONDERRY (20 rows)

covid19=# SELECT * FROM TEST;					
t_id	t_date	t_result	t_variant	tc_id	
		+	+	+	
T002	2020-02-19	N	NULL	TC002	
T003	2021-02-04	N	NULL	TC003	
T004	2020-10-14	N	NULL	TC004	
T006	2020-07-01	N	NULL	TC006	
T007	2020-11-11	N	NULL	TC007	
T009	2020-08-23	N	NULL	TC009	
T010	2020-01-05	N	NULL	TC010	
T012	2021-01-01	N	NULL	TC012	
T013	2021-03-09	N	NULL	TC013	
T015	2020-06-03	N	NULL	TC015	
T016	2020-11-24	N	NULL	TC016	
T018	2020-01-22	N	NULL	TC018	
T019	2021-04-10	N	NULL	TC019	
T020	2020-12-24	N	NULL	TC020	
T005	2020-05-22	Р P	TYPE1	TC005	
T008	2020-12-26	į Р	TYPE2	TC008	
T011	2020-05-30	į Р	TYPE1	TC011	
T014	2020-04-27	į Р	TYPE2	TC014	
T017	2021-02-14	į Р	TYPE1	TC017	
T001	2020-08-22	į Р	NULL	TC001	
(20 rov	vs)				

## **Data Manipulation:**

1) Result of Single Participant

## 2) Virus Variant Distribution

## 3) Positive Test per Country