Task Objecti	ives														
1. Dataset P	reparation:														
- Open the h	nttps://drive.god	gle.com/drive/f	folders/173oHg	ms6wYy5WKz_i3Lhl	5mXcmobCWHz an	d find your state o	f origin. If you a	re not a Nigeria	an, pick a rando	om state.					
- Download	the {YOUR_SE	LECTED_STA	TE}_crosschec	ked spreadsheet or C	CSV file.										
- If your sele	cted dataset d	oes not include	longitude and	latitude values for ea	ch polling unit or wa	ard, use geocoding	techniques to	obtain them.							
2. Neighbou	r Identification:														
- Identify nei	ighbouring polli	ng units based	on geographic	al proximity. Define a	radius (e.g., 1 km)	to determine which	n units are cons	idered neighbo	urs.						
Polling Unit:															
ODE EL EQ.	IOVODE OVEL	OKO IN EDON	IT OF OUR ALA	KELLIO LIQUIOE											
	HO/ODE OKEL	OKO, IN FROM	NI OF CH. ALA	KELUS HOUSE											
Neighbour:	A (ODE ACCLA	LILIN EDONE	OF CHIEF AC												
		LU, IN FRONT	OF CHIEF AS	SIS HOUSE											
Distance:	0km														
Neighbour:	A/ODE ASSLA	LILODEN SDA	CE NEAD CHII	EF ASSIS HOUSE											
Distance:	Okm	LU OFEN SFA	CE NEAR CHII	EF A3313 H003E											
Neighbour:	UKM														
	FIN/ODEAGRA	RLIN FRONT	OF CHIEF OIL	DRUNS HOUSE											
Distance:	0km		OI OITILI OLO	OKONO HOUGE											
Neighbour:	UKIII														
_	A/ODE ASSLA	LU OPP ONIG	BEDES HOUS	F											
Distance:	0km		2222011000												
Neighbour:	ORIT														
_	IN FRONT OF	LATE CHIEF C	DELUKES HO	USE											
Distance:	0km														
		polling unit "O	DE ELESHO/O	DE OKELOKO, IN F	RONT OF CH. ALAI	KELUS HOUSE" a	re listed with the	eir distances in	kilometers. All	distances are	0.0 km, indicat	ing that these	oolling units are	e very close to	each other.
Provide a de	etailed report e	xplaining the m	ethodology and	d findings.											
Data Collect	ion:														
		-	Location data.xls												
The data inclu	udes information	about polling u	nits, parties, and	their respective outlier	scores.										
D-4- D															
Data Preparat	ion:														
The data was	loaded into a pa	ndas DataFrame	for analysis												
			e proper formatti	ng and usability											
			- proper												
Outlier Score	Calculation:														
Outlier scores	for each party (APC, LP, PDP, 1	NNPP) were calc	ulated.											
These scores	were recorded a	long with the res	pective parties a	nd neighboring units.											
Visualization															
			ights from the or												
			ores for each par												
_		-	n of outlier score												
Scatter Plot:	To show the outl	er scores for eac	ch party by pollir	ng unit.											
Findings															
Findings															

Boxplot of Outlier Scores fo	r Each Party:								
This plot shows the spread	and variability of autliar aga	area for each party							
		oution of outlier scores among t	the narties						
Distribution of Outlier Score		ation of oather scores among	uic partics.						
Distribution of Gutier Goorg	o for Edon't dity.								
This plot shows the frequen	cy distribution of outlier sco	ores for each party.							
It helps identify any patterns	or anomalies in the outlier	r scores.							
The visualizations provide a	comprehensive view of the	e outlier scores for each party	across different polling u	inits. The boxplot and h	nistogram help in understa	anding the distributio	n and variability of the	e scores	
The ten 2 millions and									
The top 3 outliers are:									
Polling Unit: APEFON AREA	O/S AT APEFON								
r oming office at the office at	1, 0/0711711 El 011								
Party: NNPP									
Outlier Score: 25.98									
Polling Unit: COMM. PRY. S	SCH., COMM. PRY. SCH.								
Party: LP									
Outlier Score: 24.59									
Polling Unit: ADE-OLU PRY	SCH SYDIBO/EYCBOVE	CLIN COMPD							
Foliling Offit. ADE-OLO FK1	3CH, SADIBO/FAGBOTE	GOIN COMPD							
Party: NNPP									
Outlier Score: 22.79									
Conclusion									
From the visualizations, we	can draw the following key	insights:							
APC Outlier Scores:									
TI	P. C. S. C. J		. h						
The outlier scores for APC a	are distributed across vario	us locations, with some areas	snowing significantly nigi	ner scores than others					
LP Outlier Scores:									
Er Gutiler Goores.									
The LP outlier scores also s	how a varied distribution, v	with certain polling units standi	ng out with higher scores	S.					
PDP Outlier Scores:									
The PDP outlier scores are	more concentrated in spec	cific areas, indicating potential	anomalies or significant of	deviations in those loca	ations.				
NINDD Outlies Cosses									
NNPP Outlier Scores:									
The NNPP outlier scores his	ahlight a few key areas with	h high scores, suggesting nota	thle deviations in those of	olling units					
The 14141 F oddier 300163 Hig	gringin a iew ney areas will	Triigit 000103, suggestilly liota	ibio deviations in those pr	oming units.					
These visualizations help in	identifying specific polling	units that may require further i	investigation due to their	high outlier scores. Th	is can be useful for ensur	ing the integrity and	accuracy of the electi	ion results.	
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