Column Name	Description	Formula
NAME_1	Name of Oblast as given in GADM shapefile	
NAME_2	Name of Raion as given in GADM shapefile	
month	Month in integer format	
day	Day in integer format	
total_count	Total number of devices detected in an area on a particular day	
mean_pop	Mean number of devices detected in an area before the invasion i.e. between 1st January 2022 to 24th February 2022	
median_pop	Median number of devices detected in an area before the invasion i.e. between 1st January 2022 to 24th February 2022	
total_baseline_raion_population	Population of a raion based on 2020 UN unconstrained WorldPop data i.e. population before the invasion	
baseline_penetration_rate	Baseline smartphone penetration rate	*median_pop / total_baseline_raion_population*
current_pop_size	The population of a particular area on a particular day after the invasion based on the baseline smartphone penetration rate	*total_count / baseline_penetration_rate*
total_baseline_pop	Total 2020 UN unconstrained WorldPop population of Ukraine i.e. population before invasion	
net_outflow	The net number of people leaving Ukraine on a particular day after the invasion	
total_current_pop_by_month_and_day	Total population on a particular day after the invasion	Summing *current_pop_size* for each day after the invasion
scaling_factor	A metric that accounts for net refugees leaving Ukraine on a particular day after the invasion	*(total_baseline_pop - net_outflow) / total_current_pop_by_month_and_day*
adjusted_pop_size	Updated population for an area on a particular day after the invasion after accounting for net outflows of refugees	*scaling_factor* x *current_pop_size*

net_pop_change	Population displacement of a particular area as of a specific day after the invasion	*adjusted_pop_size - total_baseline_raion_population*
proportional_net_change	The proportion of displaced population (relative to before invasion) of a particular area as of a specific date after the invasion	*net_pop_change / total_baseline_raion_population*
date	Date	
week	Calendar week	
week_adjusted	The week since the start of the invasion	