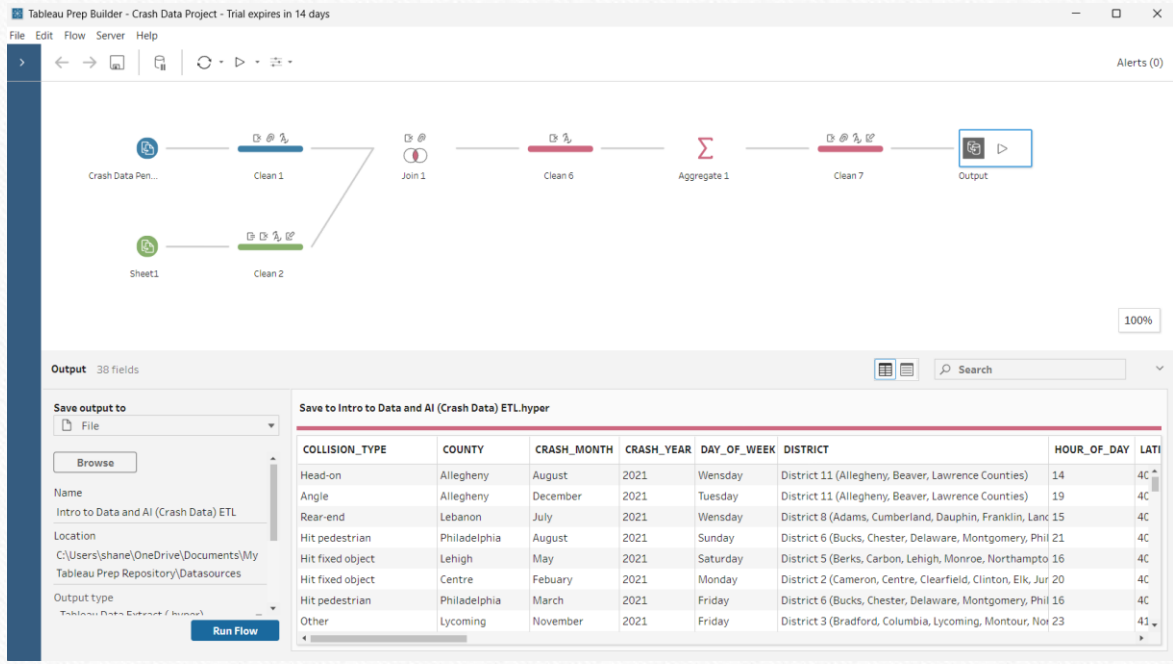
Tableau Project

2021 Automobile/Motorcycle Crash Data PA

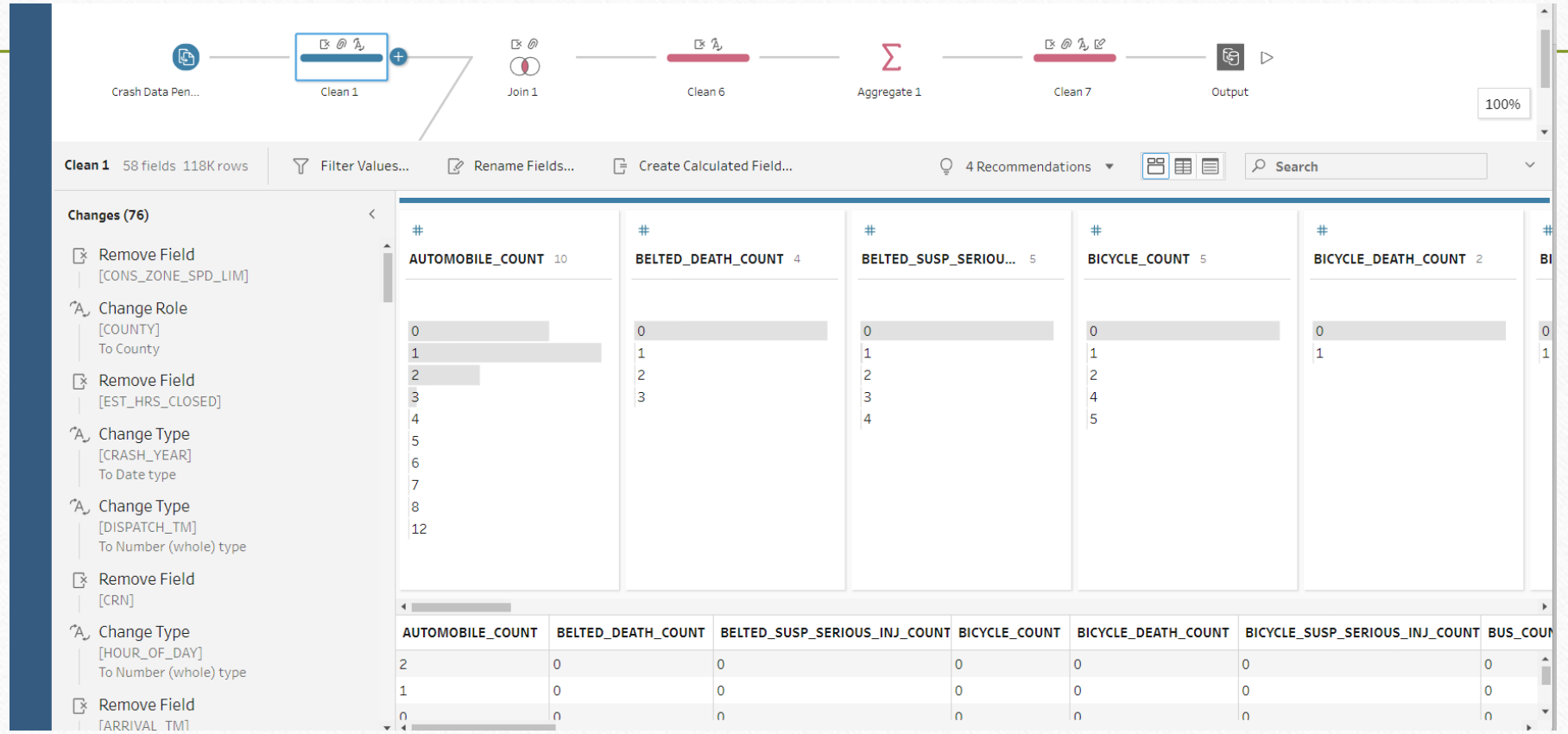
By: Shane Artis

Input/Filter Data

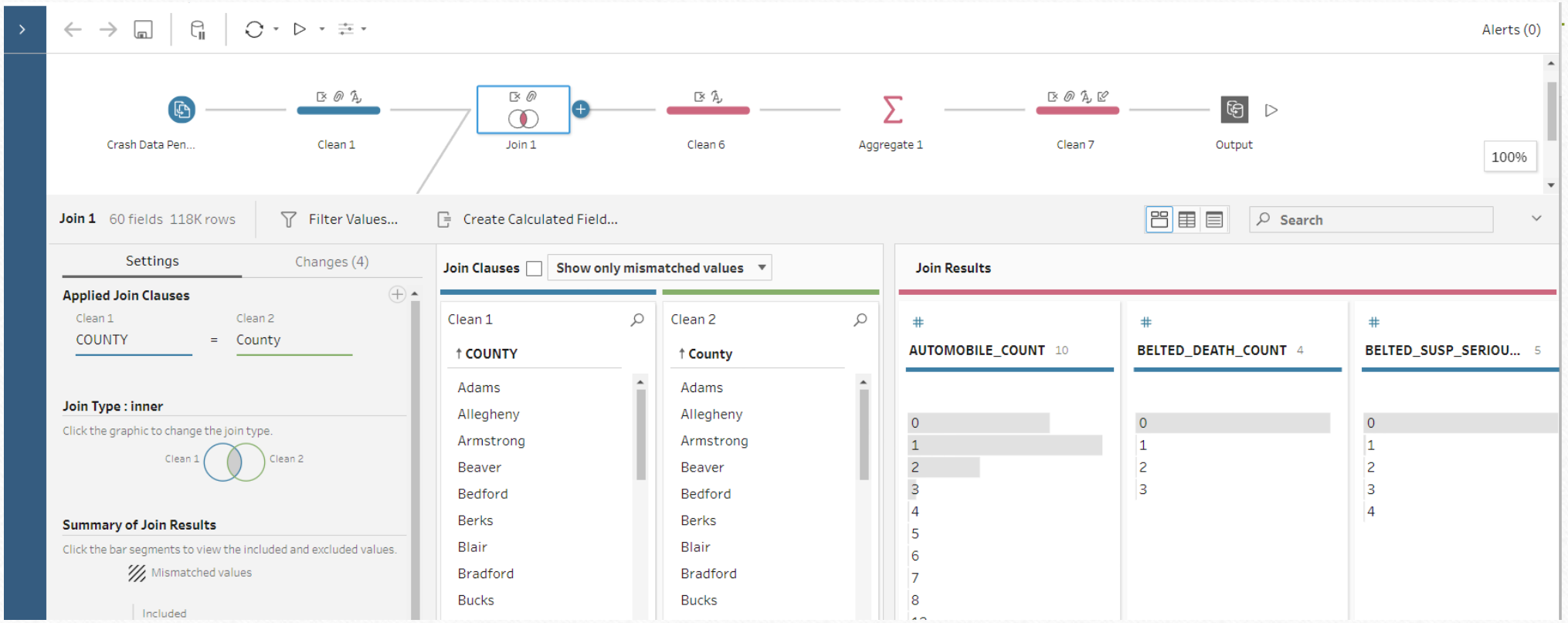
- Using Tableau Prep Builder
- Input my excel file
- Did a join on both files
- Aggregated
- Cleaned



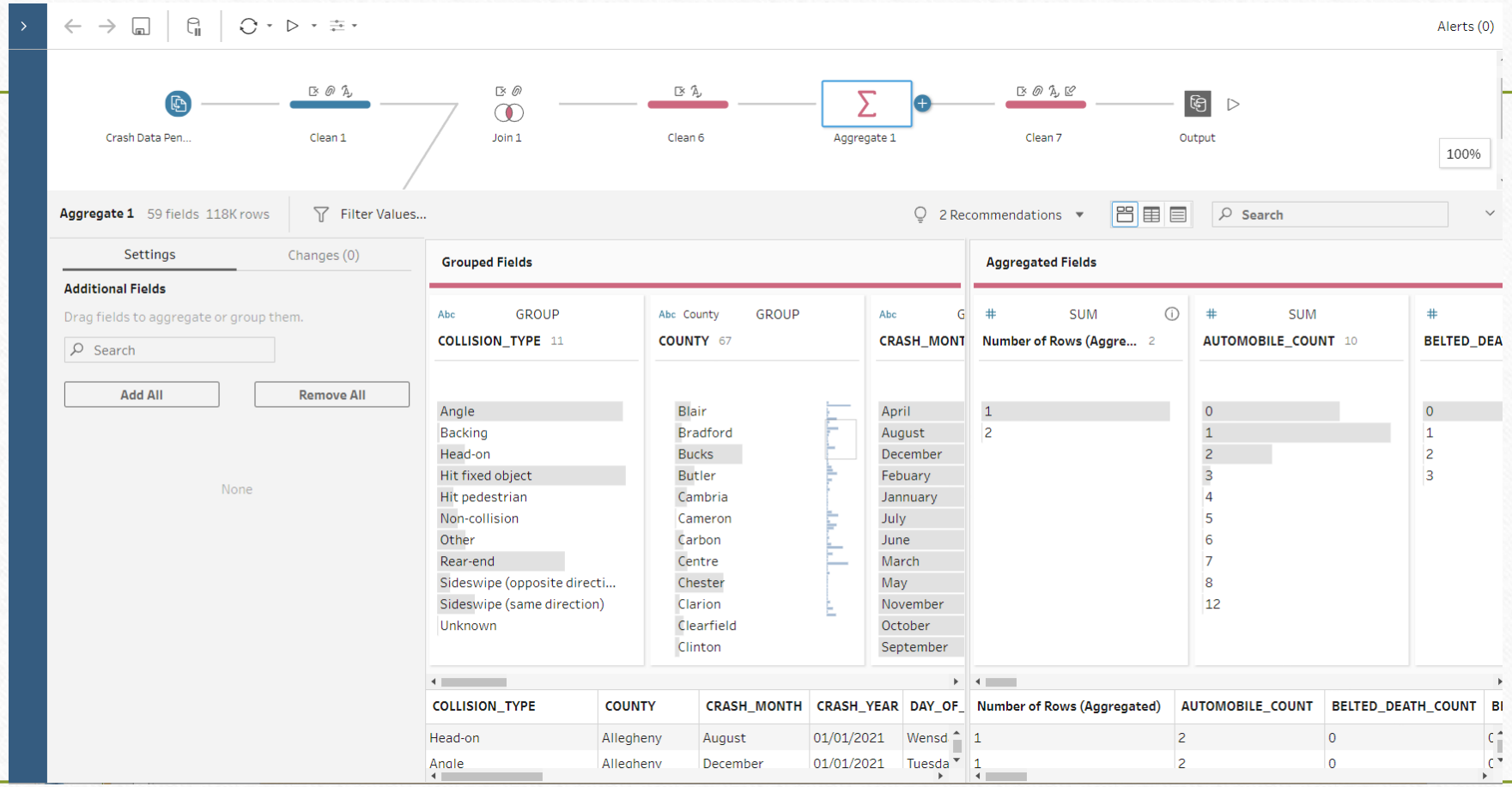
Cleaning the Data



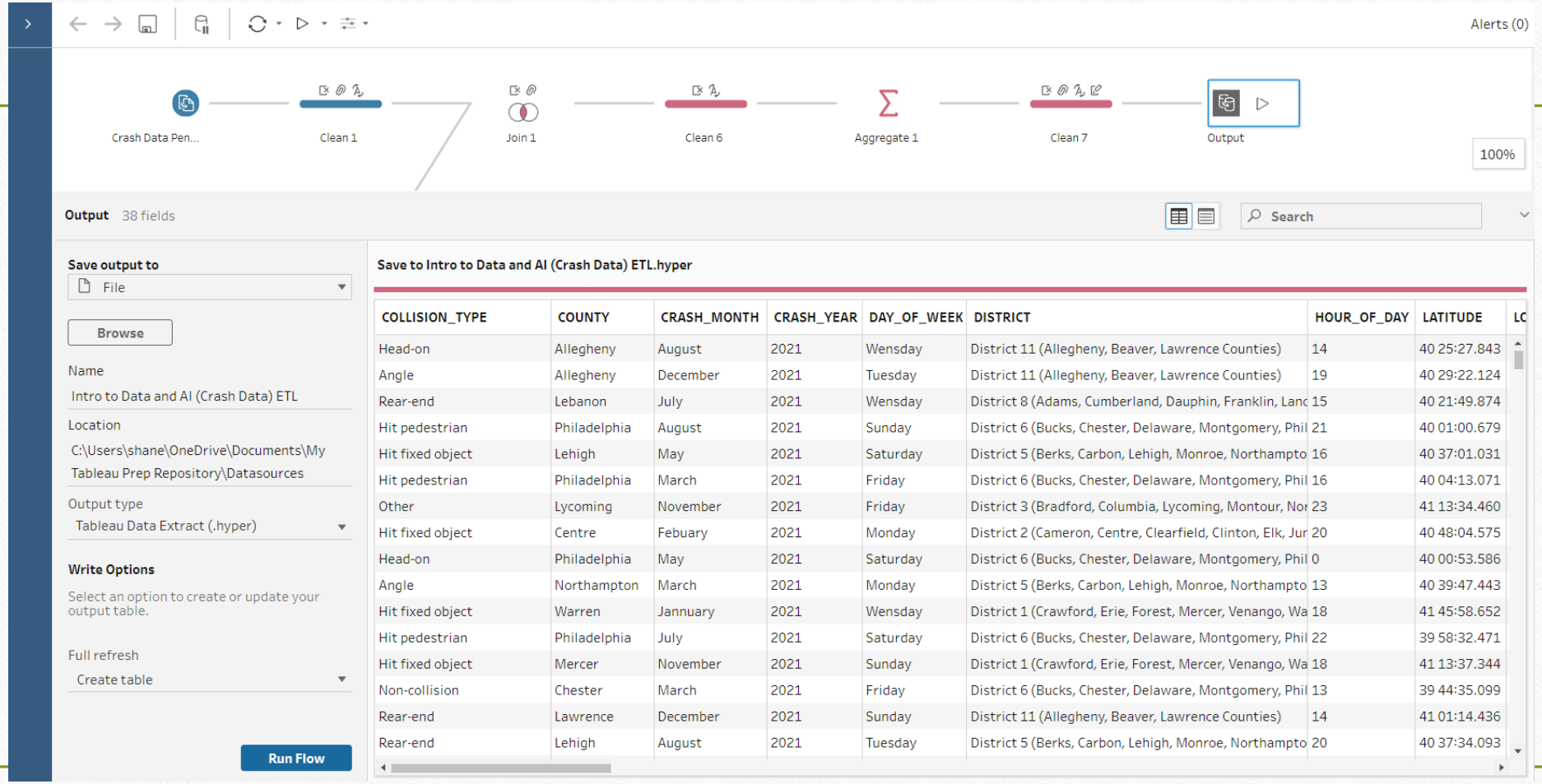
Completing the Join



The Aggregation



Output

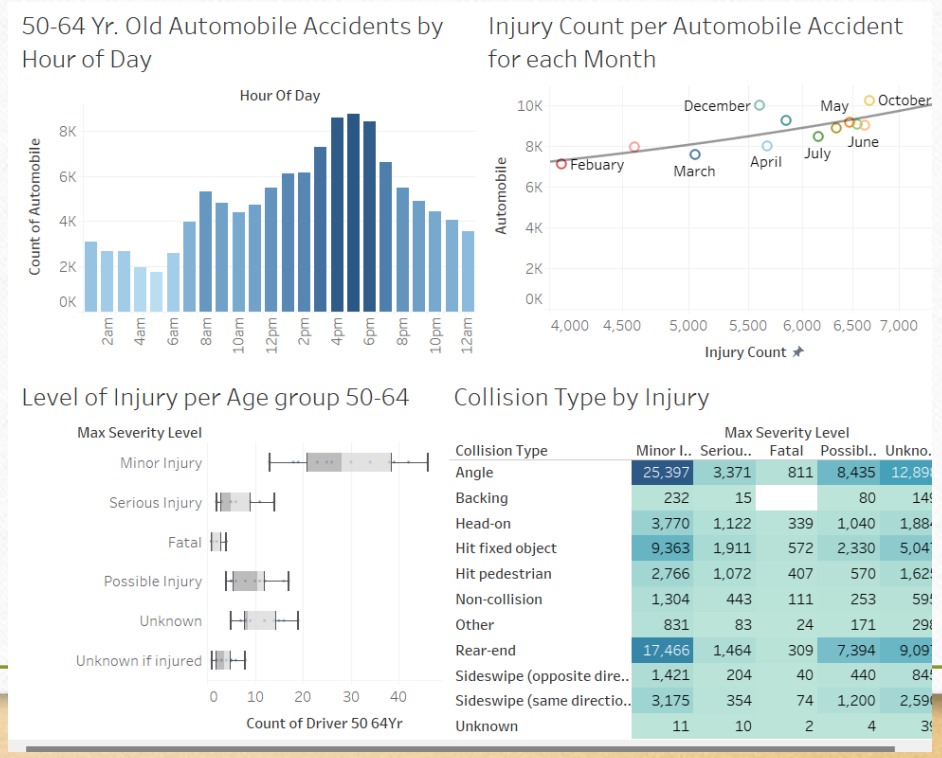


COLLISION_TYPE	COUNTY	CRASH_MONTH	CRASH_YEAR	DAY_OF_WEEK	DISTRICT	HOUR_OF_DAY	LATITUDE	LC
Head-on	Allegheny	August	2021	Wensday	District 11 (Allegheny, Beaver, Lawrence Counties)	14	40 25:27.843	
Angle	Allegheny	December	2021	Tuesday	District 11 (Allegheny, Beaver, Lawrence Counties)	19	40 29:22.124	
Rear-end	Lebanon	July	2021	Wensday	District 8 (Adams, Cumberland, Dauphin, Franklin, Lanc	15	40 21:49.874	
Hit pedestrian	Philadelphia	August	2021	Sunday	District 6 (Bucks, Chester, Delaware, Montgomery, Phil	21	40 01:00.679	
Hit fixed object	Lehigh	May	2021	Saturday	District 5 (Berks, Carbon, Lehigh, Monroe, Northampto	16	40 37:01.031	
Hit pedestrian	Philadelphia	March	2021	Friday	District 6 (Bucks, Chester, Delaware, Montgomery, Phil	16	40 04:13.071	
Other	Lycoming	November	2021	Friday	District 3 (Bradford, Columbia, Lycoming, Montour, Nor	23	41 13:34.460	
Hit fixed object	Centre	Febuary	2021	Monday	District 2 (Cameron, Centre, Clearfield, Clinton, Elk, Jur	20	40 48:04.575	
Head-on	Philadelphia	May	2021	Saturday	District 6 (Bucks, Chester, Delaware, Montgomery, Phil	0	40 00:53.586	
Angle	Northampton	March	2021	Monday	District 5 (Berks, Carbon, Lehigh, Monroe, Northampto	13	40 39:47.443	
Hit fixed object	Warren	Jannuary	2021	Wensday	District 1 (Crawford, Erie, Forest, Mercer, Venango, Wa	18	41 45:58.652	
Hit pedestrian	Philadelphia	July	2021	Saturday	District 6 (Bucks, Chester, Delaware, Montgomery, Phil	22	39 58:32.471	
Hit fixed object	Mercer	November	2021	Sunday	District 1 (Crawford, Erie, Forest, Mercer, Venango, Wa	18	41 13:37.344	
Non-collision	Chester	March	2021	Friday	District 6 (Bucks, Chester, Delaware, Montgomery, Phil	13	39 44:35.099	
Rear-end	Lawrence	December	2021	Sunday	District 11 (Allegheny, Beaver, Lawrence Counties)	14	41 01:14.436	
Rear-end	Lehigh	August	2021	Tuesday	District 5 (Berks, Carbon, Lehigh, Monroe, Northampto	20	40 37:34.093	

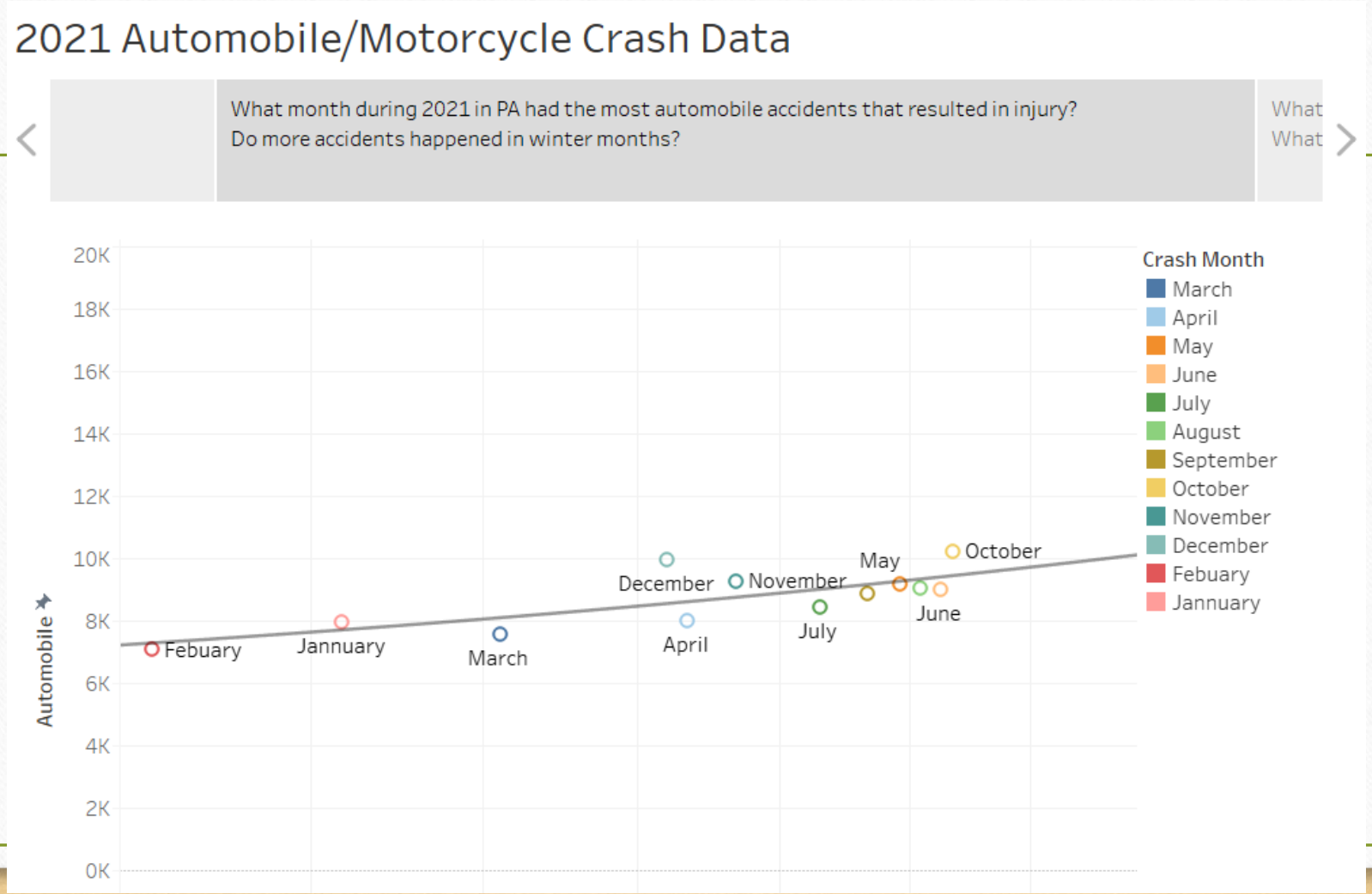
Creating Visuals in Desktop

- Using Tableau Desktop
- Uploaded the cleaned data
- Created visuals
- Posted to Dashboard

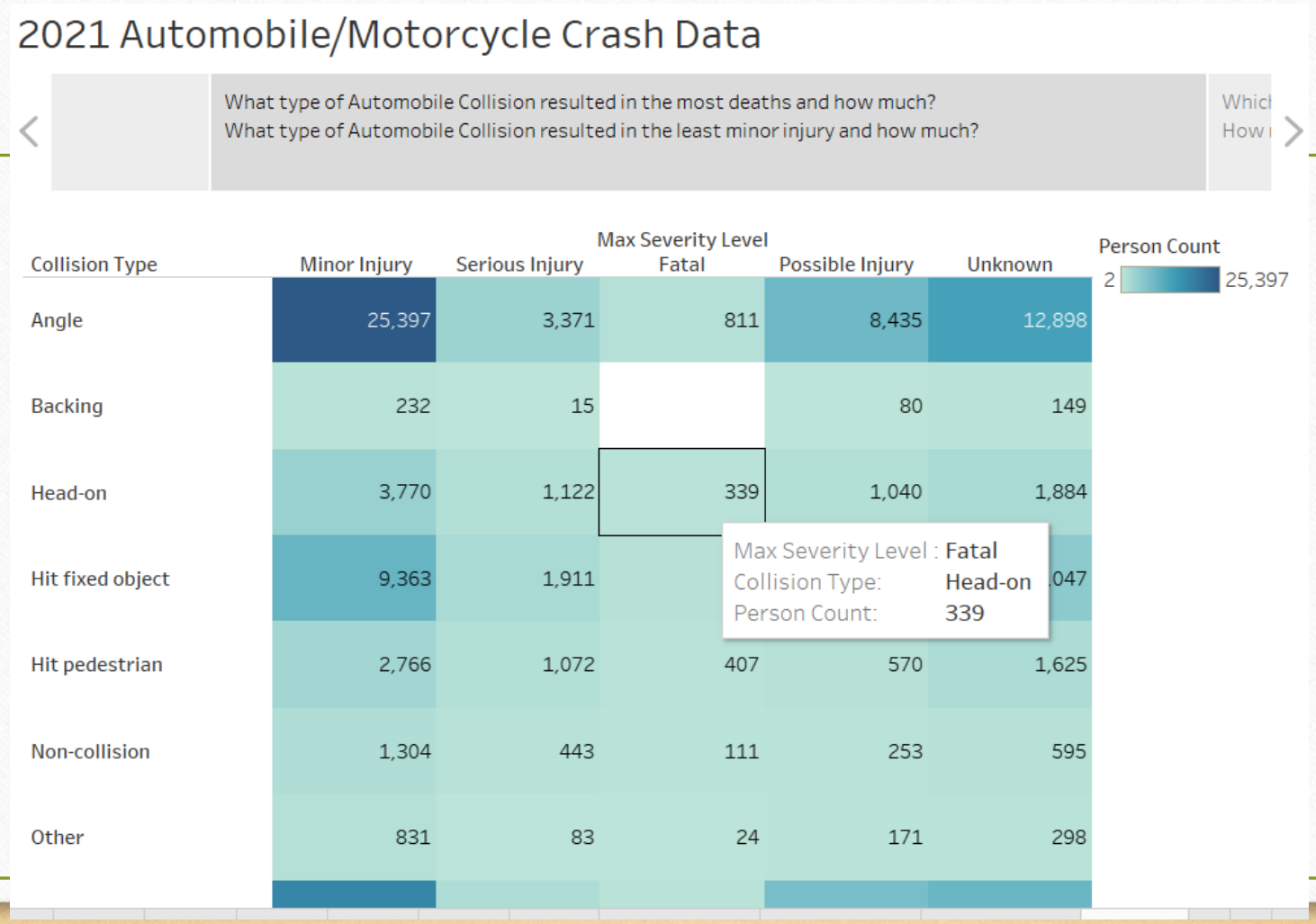
Automobile Dashboard



Telling the Story:

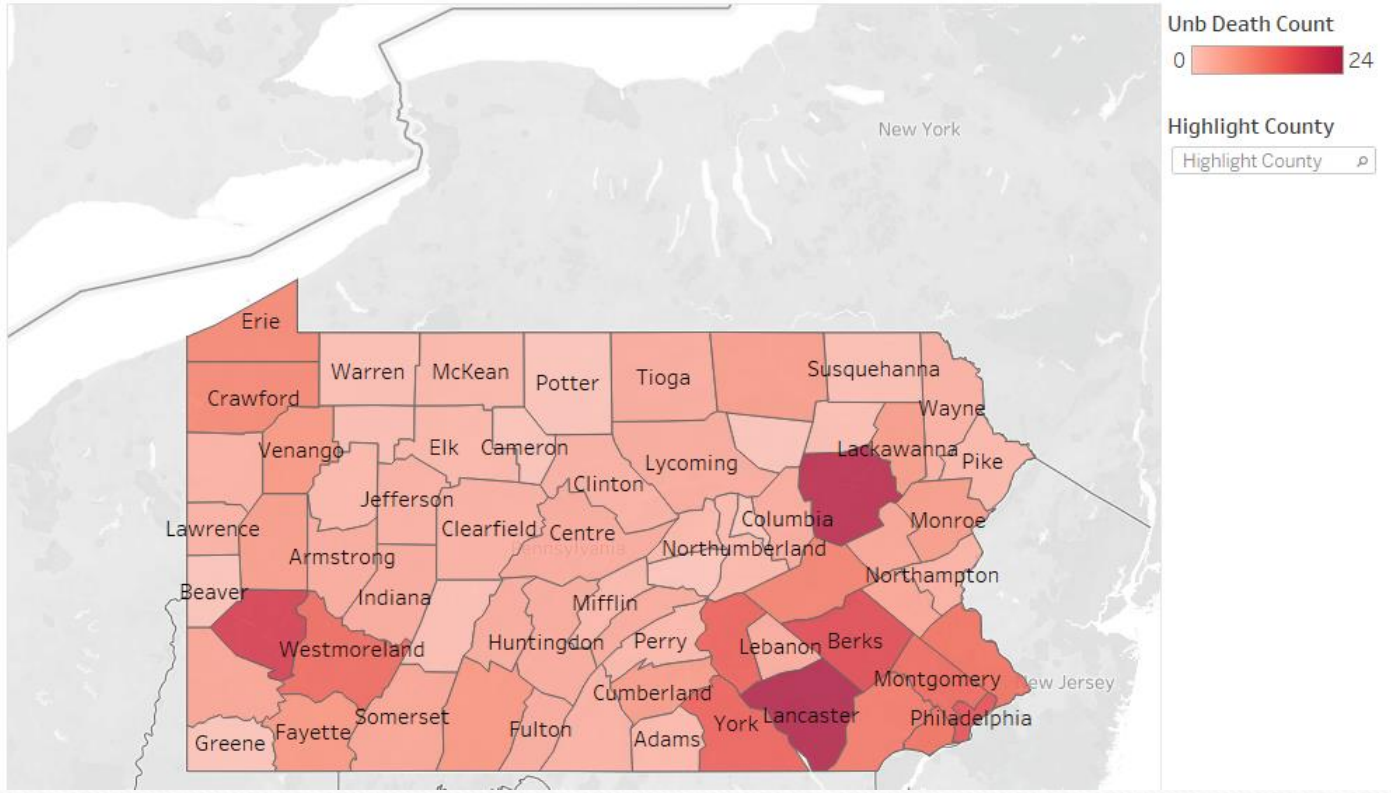


Telling the Story:

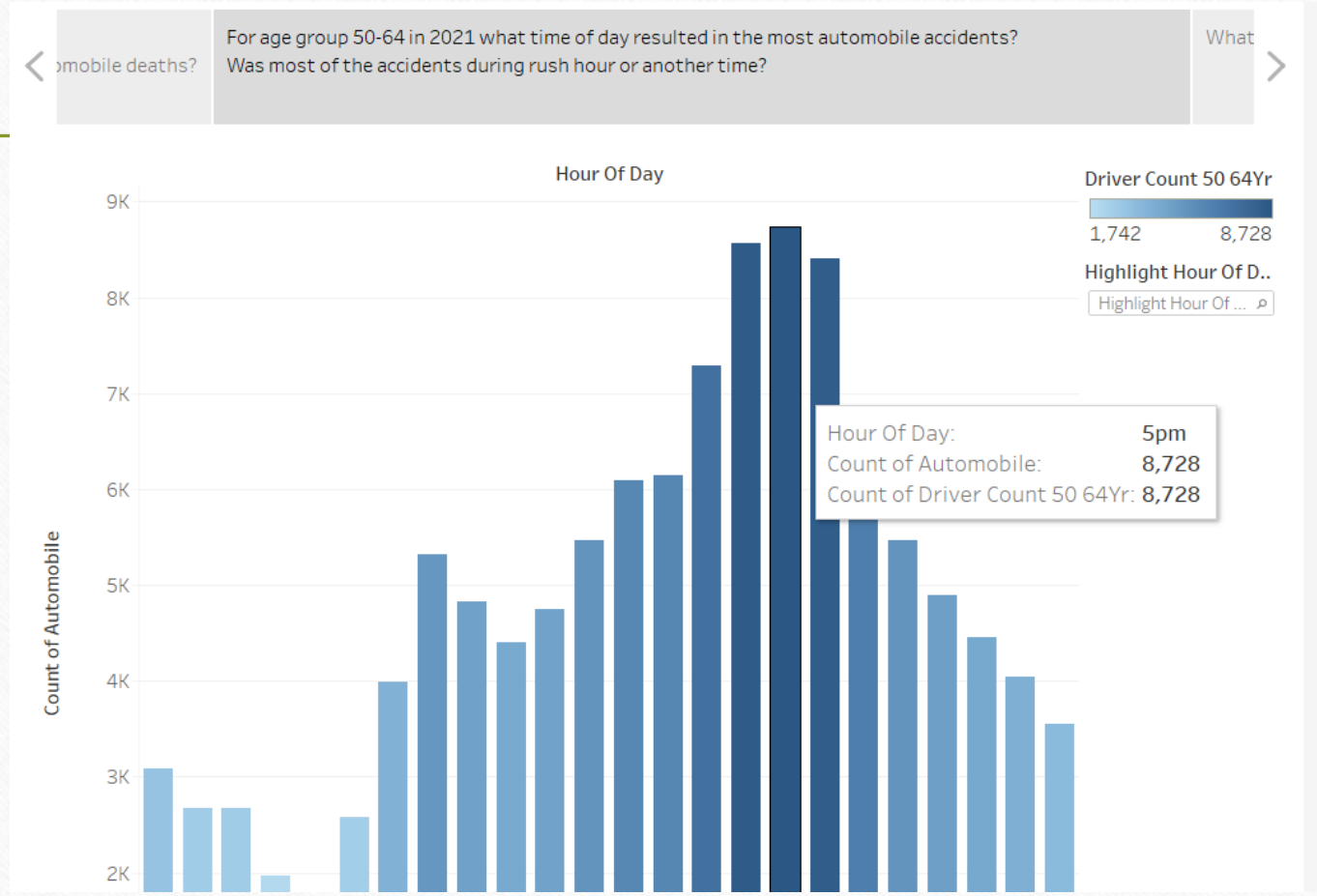


Telling the Story:

Which county in PA during 2021 had the most deaths from not wearing a seatbelt?
How many deaths was there in Lehigh county from not wearing a seatbelt versus total automobile deaths?



Telling the Story:



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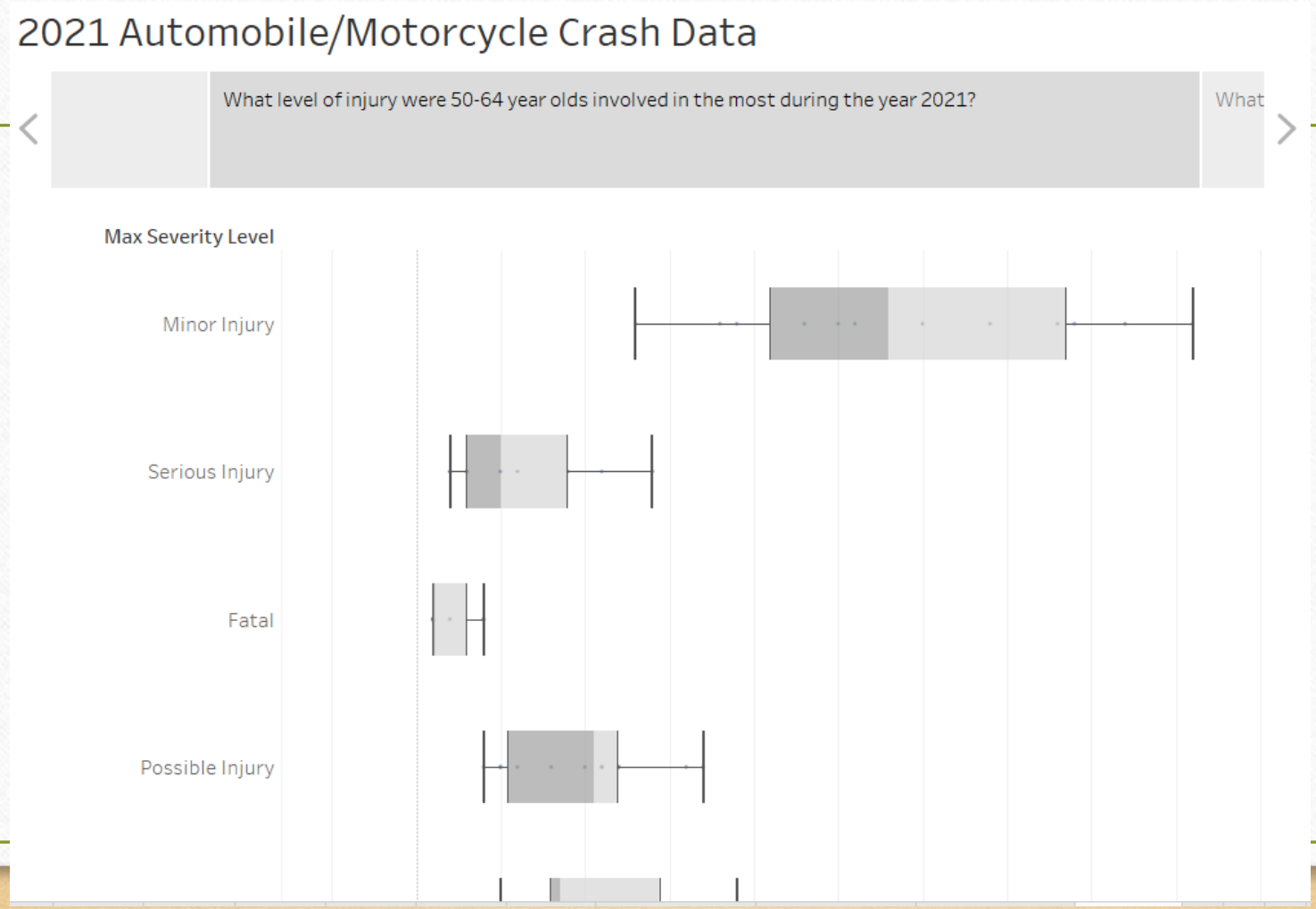
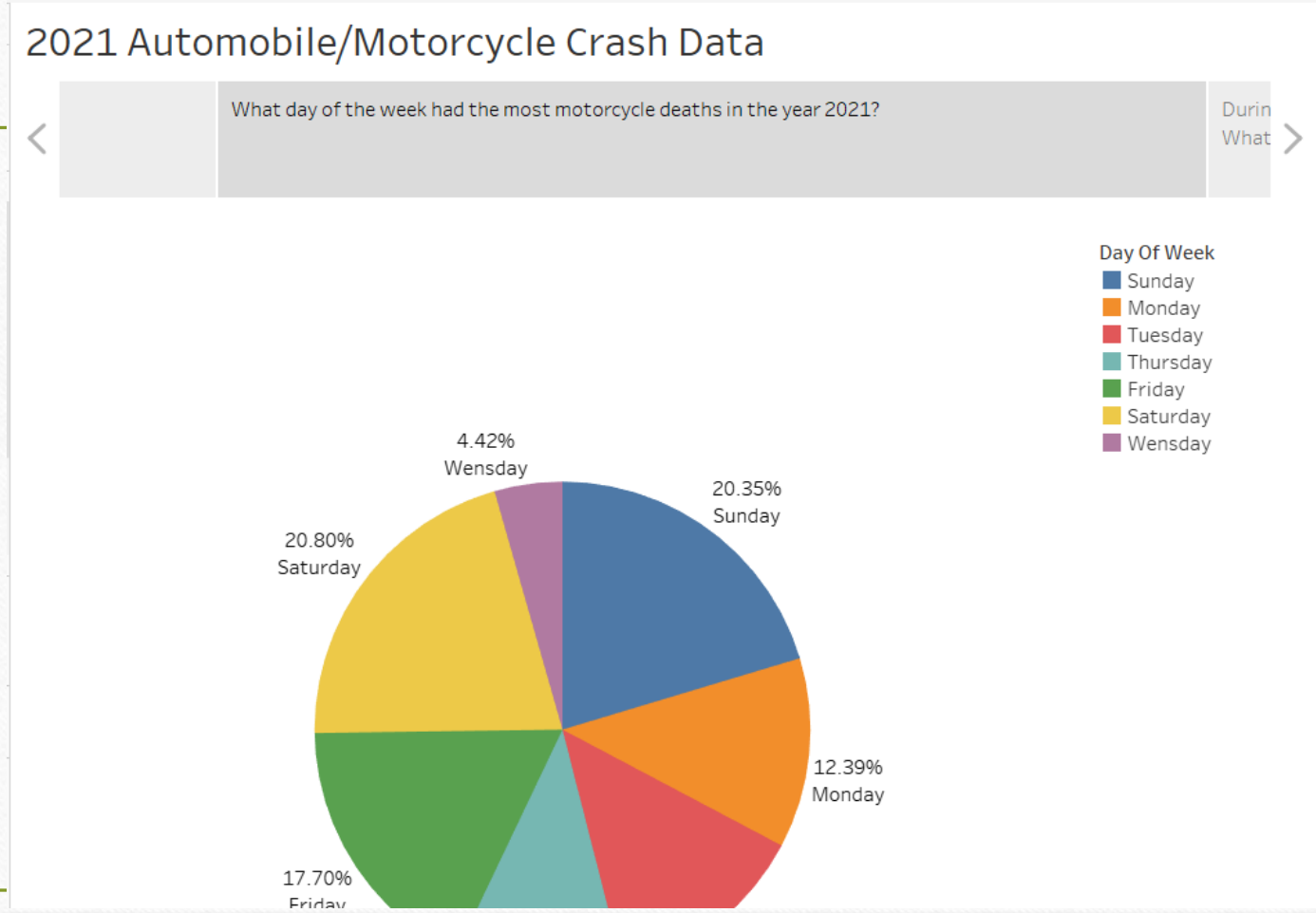
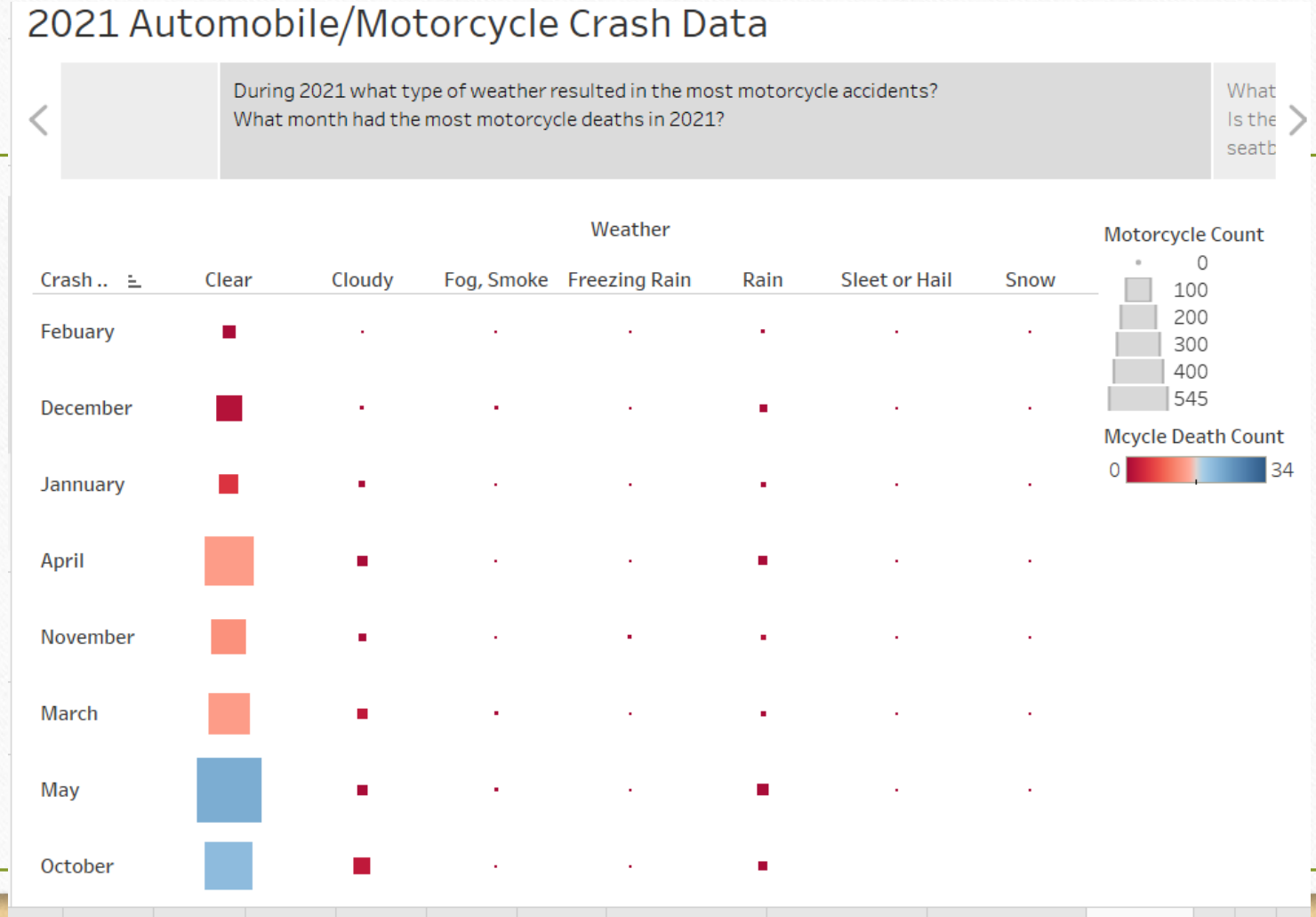


Telling the Story:



Telling the Story:



Telling the Story:

What county had the most motorcycle deaths?
Is the highest county for motorcycle deaths the same as the automobile deaths from not wearing a seatbelt?