

National Highway Traffic Safety Administration

Vehicles and Parts Recall Data

<https://www.kaggle.com/nhtsa/safety-recalls>

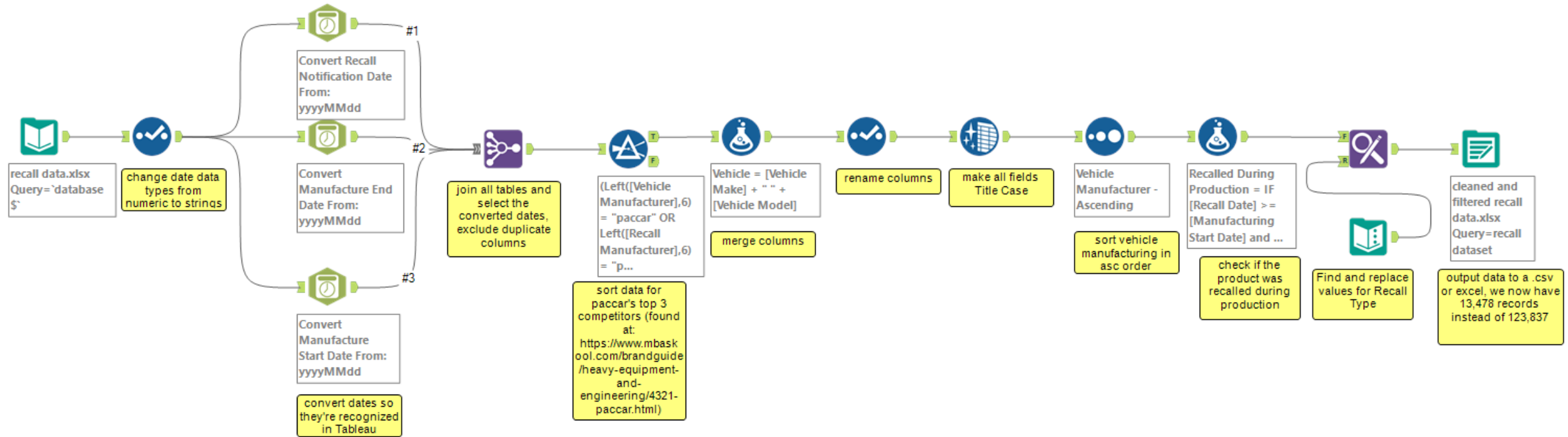
By Nick DeChant

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Snippet of raw data:

Model Year	Vehicle Manufacturer	Recall Type	Recall Component	Manufacture Start Date	Manufacture End Date	Estimated Uni	Recall Initiative	Recall Manufacturer	Recall Notification Date
2001	FORD MOTOR COMPANY	VEHICLE	ELECTRICAL SYSTEM:BATTERY:C	19990719	20010531	291854	ODI	FORD MOTOR COMPANY	20030210
2000	FORD MOTOR COMPANY	VEHICLE	ELECTRICAL SYSTEM:BATTERY:C	19990719	20010531	291854	ODI	FORD MOTOR COMPANY	20030210
2003	JAYCO, INC.	VEHICLE	EQUIPMENT:OTHER:LABELS	20020730	20020813	86	MFR	JAYCO, INC.	20020923
2003	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
2002	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
1999	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
2003	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
2002	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
1999	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
2003	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
2003	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
2000	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
2002	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
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1999	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
2000	MONACO COACH CORP.	VEHICLE	STRUCTURE			6223	MFR	MONACO COACH CORPOR	20021105
2002	PACCAR, INCORPORATED	VEHICLE	SERVICE BRAKES, AIR:CONTROL	20020429	20020712	3158	MFR	PACCAR INCORPORATED	20021018
2002	PACCAR, INCORPORATED	VEHICLE	SERVICE BRAKES, AIR:CONTROL	20020429	20020712	3158	MFR	PACCAR INCORPORATED	20021018
2002	PACCAR, INCORPORATED	VEHICLE	SERVICE BRAKES, AIR:CONTROL	20020429	20020712	3158	MFR	PACCAR INCORPORATED	20021018
2002	PACCAR, INCORPORATED	VEHICLE	SERVICE BRAKES, AIR:CONTROL	20020429	20020712	3158	MFR	PACCAR INCORPORATED	20021018
2002	PACCAR, INCORPORATED	VEHICLE	SERVICE BRAKES, AIR:CONTROL	20020511	20021016	3158	MFR	PACCAR INCORPORATED	20021018
2002	PACCAR, INCORPORATED	VEHICLE	SERVICE BRAKES, AIR:CONTROL	20020429	20020712	3158	MFR	PACCAR INCORPORATED	20021018
2002	PACCAR, INCORPORATED	VEHICLE	SERVICE BRAKES, AIR:CONTROL	20020429	20020712	3158	MFR	PACCAR INCORPORATED	20021018
2002	PACCAR, INCORPORATED	VEHICLE	SERVICE BRAKES, AIR:CONTROL	20020511	20021016	3158	MFR	PACCAR INCORPORATED	20021018
2002	PACCAR, INCORPORATED	VEHICLE	SERVICE BRAKES, AIR:CONTROL	20020511	20021016	3158	MFR	PACCAR INCORPORATED	20021018
2002	PACCAR, INCORPORATED	VEHICLE	SERVICE BRAKES, AIR:CONTROL	20020511	20021016	3158	MFR	PACCAR INCORPORATED	20021018
9999	ELECTRONIC MOBILITY CONTROLS	EQUIPMENT	VEHICLE SPEED CONTROL:LINKAGES			1823	MFR	ELECTRONIC MOBILITY COI	20020905

Using Alteryx to transform and clean data



New data:

- Filtered for PACCAR, as well as their top three competitors.
- Includes if vehicle was recalled during or after production.
- Dates can be recognized by Tableau.
- 13,478 records of data instead of 123,837.

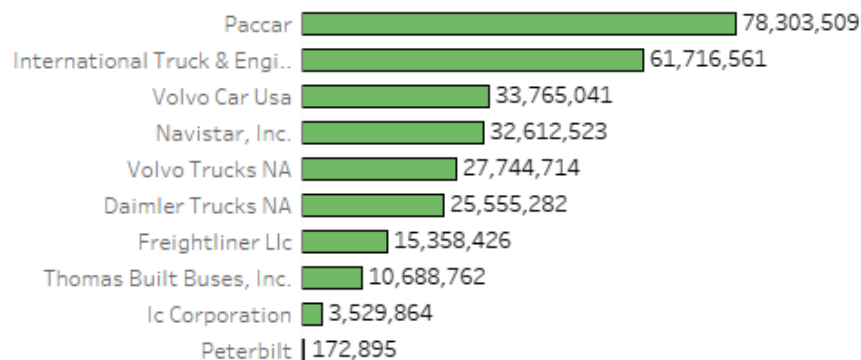
Vehicle Manufacturer	Recall Manufacturer	Vehicle	Estimated	Recall Type	Recall Component	Manufact	Manufacturing End Date	Recall Date	Recalled During Production
Volvo Of America Corp.	Volvo Car Usa Llc	VOLVO 1394332	800	Childrens	Child Seat		12/1/1988	5/22/1989	unknown
Cardone Industries, Inc.	Volvo Car Usa Llc	VOLVO V70	13128	Equipmen	Service Brakes, Hydraulic:Foundation Components:Master Cy			4/2/2007	unknown
Cardone Industries, Inc.	Volvo Car Usa Llc	VOLVO S80	13128	Equipmen	Service Brakes, Hydraulic:Foundation Components:Master Cy			4/2/2007	unknown
Cardone Industries, Inc.	Volvo Car Usa Llc	VOLVO S60	13128	Equipmen	Service Brakes, Hydraulic:Foundation Components:Master Cy			4/2/2007	unknown
Cardone Industries, Inc.	Volvo Car Usa Llc	VOLVO XC70	13128	Equipmen	Service Brakes, Hydraulic:Foundation Components:Master Cy			4/2/2007	unknown
Cardone Industries, Inc.	Volvo Car Usa Llc	VOLVO C70	13128	Equipmen	Service Brakes, Hydraulic:Foundation Components:Master Cy			4/2/2007	unknown
Cardone Industries, Inc.	Volvo Car Usa Llc	VOLVO XC70	13128	Equipmen	Service Brakes, Hydraulic:Foundation Components:Master Cy			4/2/2007	unknown
Cardone Industries, Inc.	Volvo Car Usa Llc	VOLVO XC70	13128	Equipmen	Service Brakes, Hydraulic:Foundation Components:Master Cy			4/2/2007	unknown
Cardone Industries, Inc.	Volvo Car Usa Llc	VOLVO V70	13128	Equipmen	Service Brakes, Hydraulic:Foundation Components:Master Cy			4/2/2007	unknown
Cardone Industries, Inc.	Volvo Car Usa Llc	VOLVO V70	13128	Equipmen	Service Brakes, Hydraulic:Foundation Components:Master Cy			4/2/2007	unknown

Data Reporting With Tableau

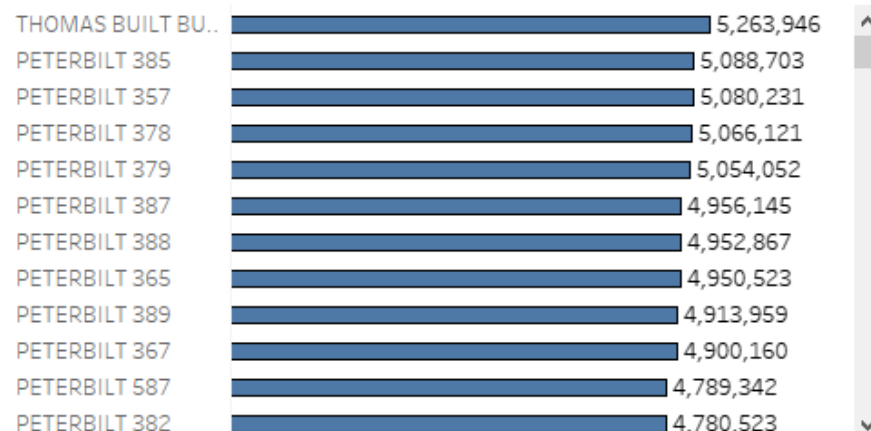
- We can analyze all manufacturer recalls between 1966 to 2017.
- Analyze recalls by year specific.
- ‘Drill down’ and see which vehicles and components were recalled each year.
- Analyze if component was recalled during production and which company and vehicle models the part belongs to.
- Answer various questions: For example, what was the most recalled part for Paccar in year 2015 and which vehicles had to be recalled with this part?

Vehicle and Part Recalls by PACCAR and Top Competitors 1966-2017

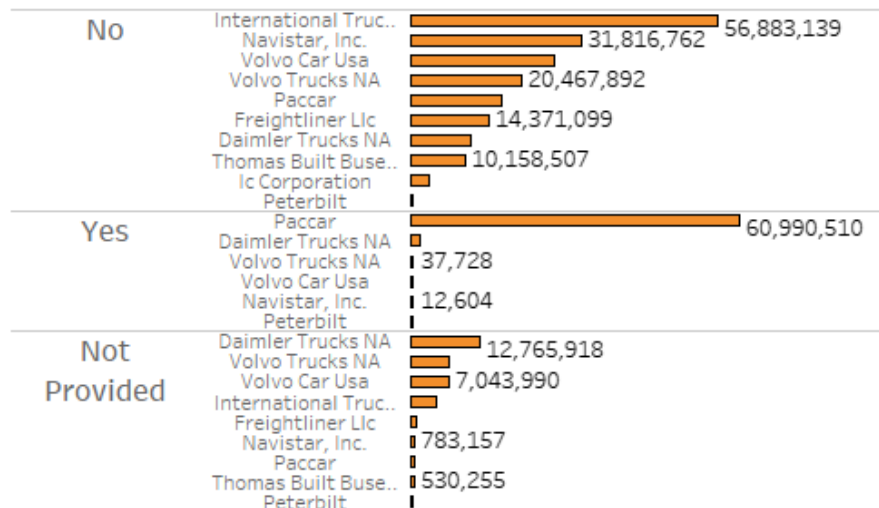
Company Recalls For Year: All



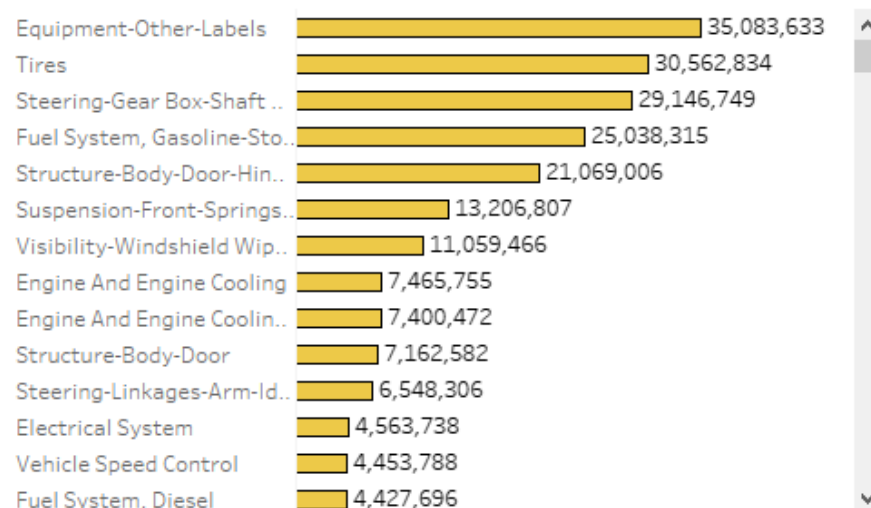
Vehicles Recalled



Recalled During Production



Components Recalled



Link to project:

- <https://public.tableau.com/profile/nick8620#!/vizhome/VehicleRecalls/Recalls?publish=yes>

Thank you for viewing!

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