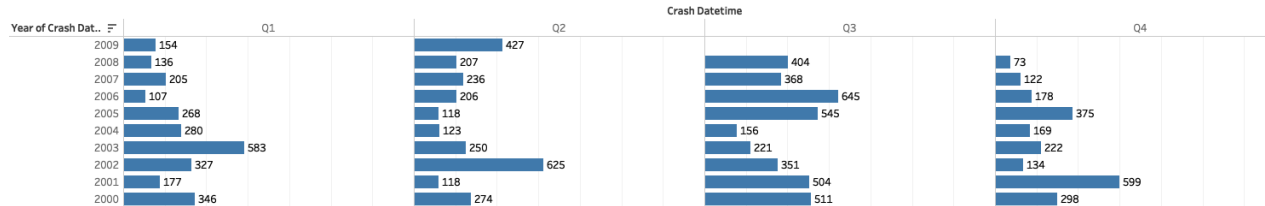# bIzToRy

Working With Dates – Assignment

Basic

All magazines, news papers, scientific researches, and other resources tell us that taking the plane is the safest way of transportation. Let's take a look if this is actually true.
Let's analyze all the plane crashes of the previous years. A single **line or record** in our data source represents a crashed airplane.

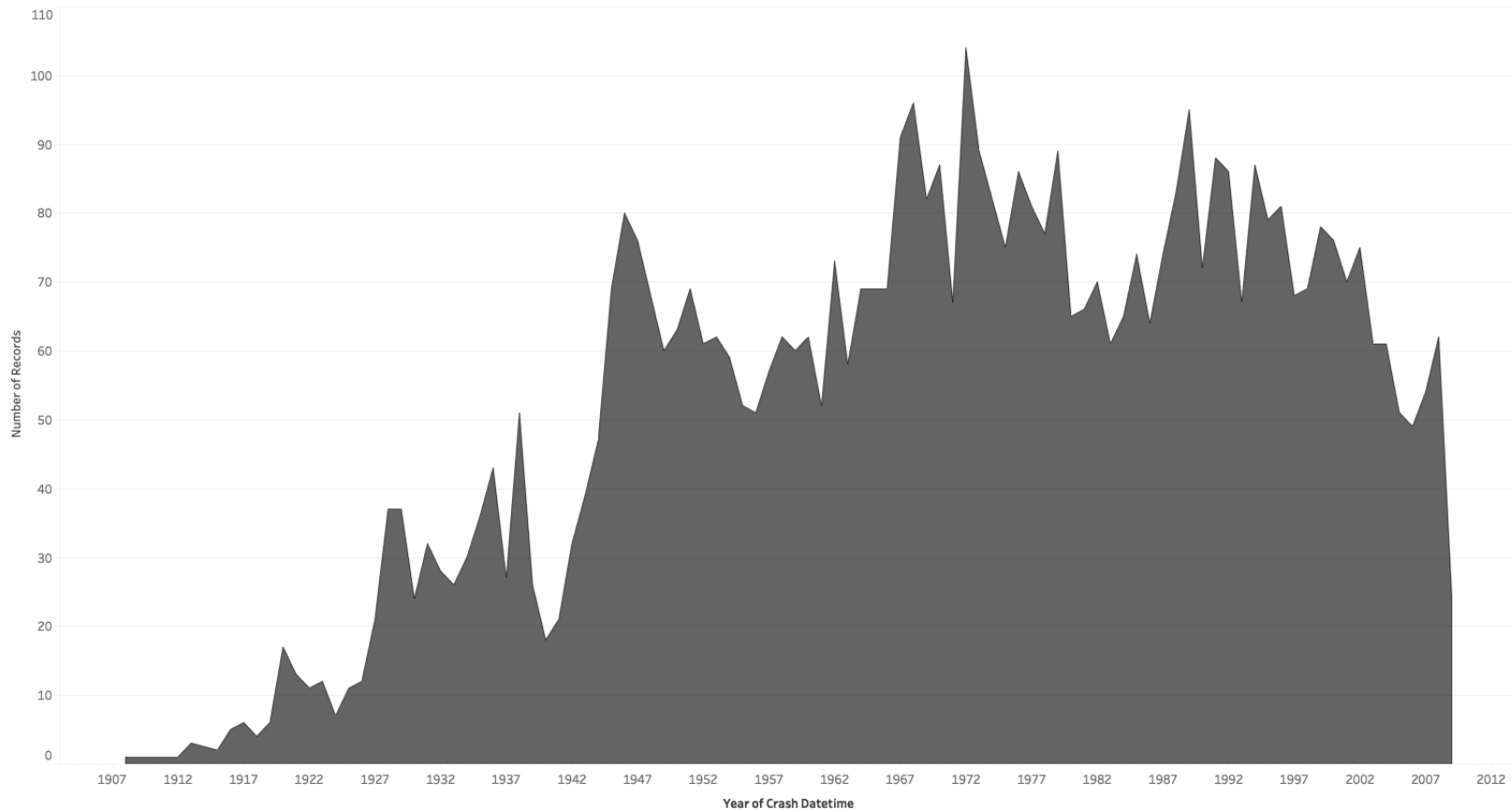Try to create the following **3** visualizations:
- Show the **amount of crashes through time** on a **year** level. Use a continuous area chart to display this data
- The amount of **fatalities** per year and quarter. A small preview of the result looks like this

- A detail crosstab listing the **Exact Crash Datetime, Operator, Location, Comments** with the **Nr. People Aboard** and **Nr. Fatalities**. A simple table in this case is the best to display all of this data
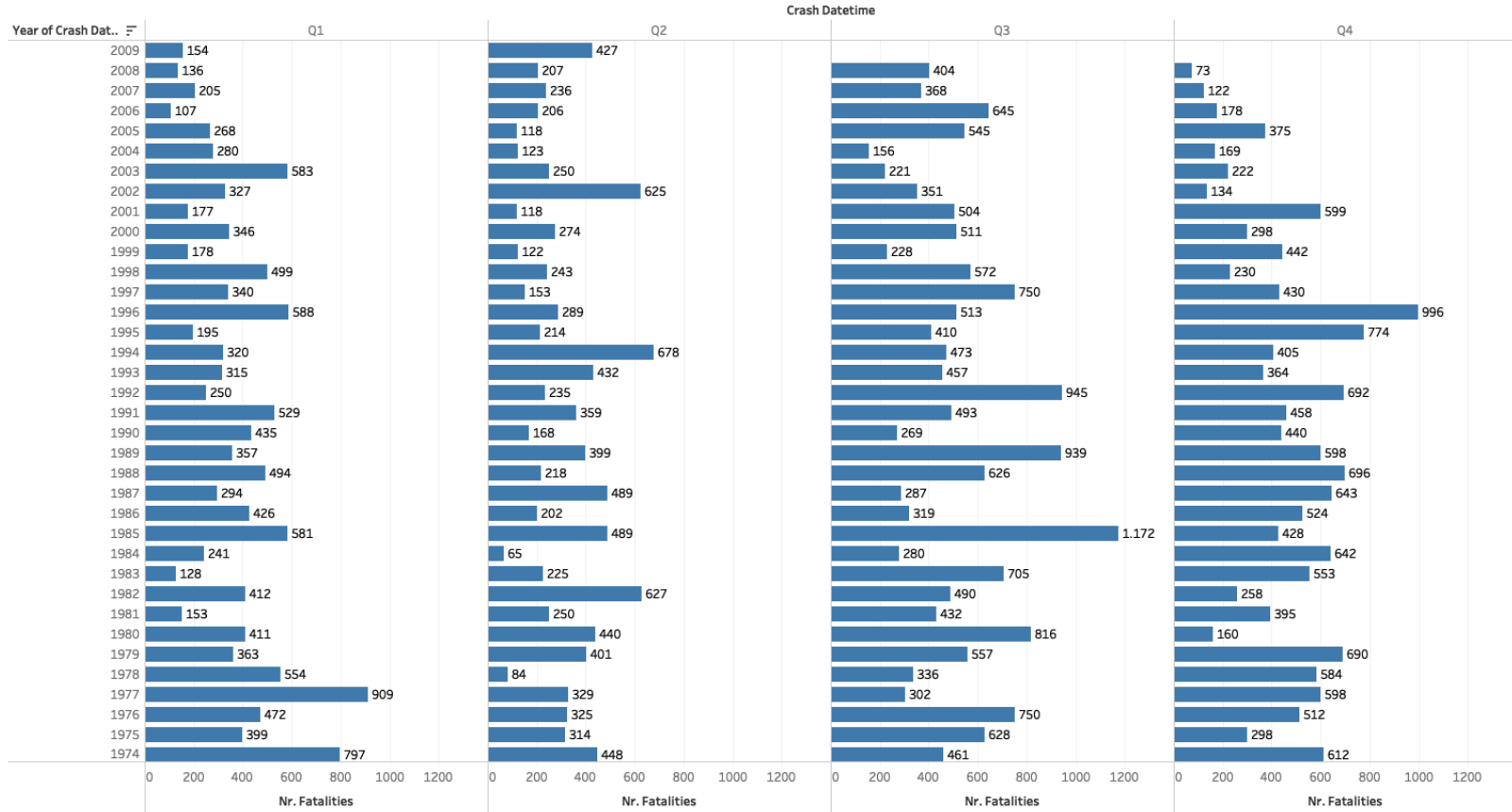
1. # Crashes through time

2. Years/Quarters fatality overview

2. Years/Quarters fatality overview

Crash Datetime

Year of Crash Dat..	Q1	Q2	Q3	Q4
2009	154	427	404	73
2008	136	207	368	122
2007	205	236	645	178
2006	107	206	545	375
2005	268	118	156	169
2004	280	123	221	222
2003	583	250	351	134
2002	327	625	504	599
2001	177	118	511	298
2000	346	274	228	442
1999	178	122	572	230
1998	499	243	750	430
1997	340	153	513	996
1996	588	289	410	774
1995	195	214	473	405
1994	320	678	457	364
1993	315	432	945	692
1992	250	235	493	458
1991	529	359	939	440
1990	435	168	269	598
1989	357	399	626	696
1988	494	218	287	643
1987	294	489	319	524
1986	426	202	1.172	428
1985	581	489	280	642
1984	241	65	705	553
1983	128	225	490	258
1982	412	627	432	395
1981	153	250	816	160
1980	411	440	557	690
1979	363	401	336	584
1978	554	84	302	598
1977	909	329	750	512
1976	472	325	628	298
1975	399	314	461	612
1974	797	448		

Nr. Fatalities

3. Detail crash info

Crash Datetime	Operator	Location	Comments	Nr. People Aboard	Nr. Fatalities
17/09/1908 17:18:00	Military - U.S. Army	Fort Myer, Virginia	During a demonstration flight, a U.S. Army flyer flown by Orville Wright nose-dived into the ground from a height of approximately 75 feet, killing Lt. Thomas E. Selfridge who was a passenger. This was t..	2.0	1.0
12/07/1912 06:30:00	Military - U.S. Navy	AtlantiCity, New Jersey	First U.S. dirigible Akron exploded just offshore at an altitude of 1,000 ft. during a test flight.	5.0	5.0
06/08/1913 00:00:00	Private	Victoria, British Columbia, Canada	The first fatal airplane accident in Canada occurred when American barnstormer, John M. Bryant, California aviator was killed.	1.0	1.0
09/09/1913 18:30:00	Military - German Navy	Over the North Sea	The airship flew into a thunderstorm and encountered a severe downdraft crashing 20 miles north of Helgoland Island into the sea. The ship broke in two and the control car immediately sank drowning..	20.0	14.0
17/10/1913 10:30:00	Military - German Navy	Near Johannisthal, Germany	Hydrogen gas which was being vented was sucked into the forward engine and ignited causing the airship to explode and burn at 3,000 ft..	30.0	30.0
05/03/1915 01:00:00	Military - German Navy	Tienen, Belgium	Crashed into trees while attempting to land after being shot down by British and French aircraft.	41.0	21.0
03/09/1915 15:20:00	Military - German Navy	Off Cuxhaven, Germany	Exploded and burned near Neuwerk Island, when hydrogen gas, being vented, was ignited by lightning.	19.0	19.0
28/07/1916 00:00:00	Military - German Army	Near Jambol, Bulgaria	Crashed near the Black Sea, cause unknown.	20.0	20.0
24/09/1916 01:00:00	Military - German Navy	Billericay, England	Shot down by British aircraft crashing in flames.	22.0	22.0
01/10/1916 23:45:00	Military - German Navy	Potters Bar, England	Shot down in flames by the British 39th Home Defence Squadron.	19.0	19.0
21/11/1916 00:00:00	Military - German Army	Mainz, Germany	Crashed in a storm.	28.0	27.0
28/11/1916 23:45:00	Military - German Navy	Off West Hartlepool, England	Shot down by British anti-aircraft fire and aircraft and crashed into the North Sea.	20.0	20.0
04/03/1917 00:00:00	Military - German Army	Near Gent, Belgium	Caught fire and crashed.	20.0	20.0
30/03/1917 00:00:00	Military - German Navy	Off Northern Germany	Struck by lightning and crashed into the BaltiSea.	23.0	23.0
14/05/1917 05:15:00	Military - German Navy	Near Texel Island, North Sea	Crashed into the sea from an altitude of 3,000 ft. after being hit by British aircraft fire.	21.0	21.0