

The background of the slide is a dark, intricate marbled paper pattern. It features swirling, organic shapes in shades of deep blue, navy, and black, with occasional streaks of brown, tan, and hints of purple. A thin, white rectangular border is centered on the slide, enclosing the text.

# DATA SCIENCE PROJECT

Kholoud sayed Zaki



# Part 1 :

Out[291]:

	rank	x_class	Start	Maximum	End	Region
0	1	X28+	2003/11/04-19:29	2003/11/04-19:53	2003/11/04-20:06	0486
1	2	X20+	2001/04/02-21:32	2001/04/02-21:51	2001/04/02-22:03	9393
2	3	X17.2+	2003/10/28-09:51	2003/10/28-11:10	2003/10/28-11:24	0486
3	4	X17+	2005/09/07-17:17	2005/09/07-17:40	2005/09/07-18:03	0808
4	5	X14.4	2001/04/15-13:19	2001/04/15-13:50	2001/04/15-13:55	9415
5	6	X10	2003/10/29-20:37	2003/10/29-20:49	2003/10/29-21:01	0486
6	7	X9.4	1997/11/06-11:49	1997/11/06-11:55	1997/11/06-12:01	8100
7	8	X9.3	2017/09/06-11:53	2017/09/06-12:02	2017/09/06-12:10	2673
8	9	X9	2006/12/05-10:18	2006/12/05-10:35	2006/12/05-10:45	0930
9	10	X8.3	2003/11/02-17:03	2003/11/02-17:25	2003/11/02-17:39	0486
10	11	X8.2	2017/09/10-15:35	2017/09/10-16:06	2017/09/10-16:31	2673
11	12	X7.1	2005/01/20-06:36	2005/01/20-07:01	2005/01/20-07:26	0720

# Steps :

- Use beautiful Soup to Read data from HTML page
- Use pandas to filter Data
- Store data from HTML Page in Data Frame

# Part 2 :

Out[63]:

Start_DateTime	End_DateTime	Start_Frequency	End_Frequency	Flare_Location	Flare_Region	Importance	CME_DateTime	CPA	width	speed	plots	Is_Helo
1997/04/01-14:00	04/01-14:15	8000	4000	S25E16	8026	M1.3	1997/04/01-15:18	74	79	312	PHTX	False
1997/04/07-14:30	04/07-17:30	11000	1000	S28E19	8027	C6.8	1997/04/07-14:27	NaN	360	878	PHTX	True
1997/05/12-05:15	05/14-16:00	12000	80	N21W08	8038	C1.3	1997/05/12-05:30	NaN	360	464	PHTX	True
1997/05/21-20:20	05/21-22:00	5000	500	N05W12	8040	M1.3	1997/05/21-21:00	263	165	296	PHTX	False
1997/09/23-21:53	09/23-22:16	6000	2000	S29E25	8088	C1.4	1997/09/23-22:02	133	155	712	PHTX	False
1997/11/03-05:15	11/03-12:00	14000	250	S20W13	8100	C8.6	1997/11/03-05:28	240	109	227	PHTX	False
1997/11/03-10:30	11/03-11:30	14000	5000	S16W21	8100	M4.2	1997/11/03-11:11	233	122	352	PHTX	False
1997/11/04-06:00	11/05-04:30	14000	100	S14W33	8100	X2.1	1997/11/04-06:10	NaN	360	785	PHTX	True
1997/11/06-12:20	11/07-08:30	14000	100	S18W63	8100	X9.4	1997/11/06-12:10	NaN	360	1556	PHTX	True
1997/11/27-13:30	11/27-14:00	14000	7000	N17E63	8113	X2.6	1997/11/27-13:56	98	91	441	PHTX	False

# Steps :

- Use beautiful Soup to Read data from HTML page
- Use pandas to filter Data
- Store data from HTML Page in Data Frame
- Some difficult faced me :
  - ✓ HTML page was Unorganized
  - ✓ There are more missing Data



THANKS