

In [1]: `pip install tabula-py`

Requirement already satisfied: tabula-py in /Users/mariammukhumova/opt/anaconda3/lib/python3.8/site-packages (2.3.0)
 Requirement already satisfied: distro in /Users/mariammukhumova/opt/anaconda3/lib/python3.8/site-packages (from tabula-py) (1.6.0)
 Requirement already satisfied: numpy in /Users/mariammukhumova/opt/anaconda3/lib/python3.8/site-packages (from tabula-py) (1.20.1)
 Requirement already satisfied: pandas<=0.25.3 in /Users/mariammukhumova/opt/anaconda3/lib/python3.8/site-packages (from tabula-py) (1.2.4)
 Requirement already satisfied: python-dateutil<=2.7.3 in /Users/mariammukhumova/opt/anaconda3/lib/python3.8/site-packages (from pandas<=0.25.3->tabula-py) (2.8.1)
 Requirement already satisfied: pytz<=2017.3 in /Users/mariammukhumova/opt/anaconda3/lib/python3.8/site-packages (from pandas<=0.25.3->tabula-py) (2021.1)
 Requirement already satisfied: six<=1.5 in /Users/mariammukhumova/opt/anaconda3/lib/python3.8/site-packages (from python-dateutil<=2.7.3->pandas<=0.25.3->tabula-py) (1.15.0)
 Note: you may need to restart the kernel to use updated packages.

In [3]: `import tabula`

In [4]: `file1 = "/Users/mariammukhumova/Documents/A1.pdf"`

In [11]: `tables = tabula.read_pdf(file1, pages = '6', multiple_tables=False)
 tables[0]`

Out[11]:

	Unnamed: 0	Unnamed: 1	SS2	SS5	SS6	SS7	SS10	SS11	SS12a	SS12b	SS14	SS15	SS18	SS19	SS20
0	NaN	NaN	(A)	(A)	(B)	(BA)	(BA)	(BA)	(A)	(D)	(A)	(A)	(A)	(A)	
1	Major elements	NaN	(wt.%)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
2	SiO2	NaN	57.13	59.18	49.38	53.08	52.46	54.72	61.52	63.53	56.15	56.90	56.15	57.11	59.32
3	TiO2	NaN	1.15	0.96	1.79	1.59	1.68	1.24	1.01	0.77	1.22	1.32	1.43	1.02	1.12
4	Al2O3	NaN	17.41	16.97	16.81	16.65	16.72	16.74	17.03	15.53	17.44	16.65	17.51	17.15	16.44
5	Fe 2O3 +	NaN	7.16	6.17	8.94	8.62	7.65	8.52	5.26	5.68	7.59	7.16	6.37	6.77	6.13
6	MnO	NaN	0.15	0.15	0.15	0.13	0.13	0.16	0.11	0.13	0.14	0.15	0.18	0.14	0.11
7	MgO	NaN	2.95	2.69	8.45	4.95	5.51	6.38	2.05	1.47	3.91	3.51	2.84	3.13	3.07
8	CaO	NaN	5.44	5.52	7.76	6.82	7.21	5.59	4.15	3.59	5.22	5.65	5.08	5.44	4.62
9	Na2O	NaN	4.26	4.17	3.51	4.12	4.32	3.45	4.48	4.37	4.03	4.22	4.47	4.69	4.76
10	K2O	NaN	1.97	2.14	1.15	1.25	1.79	1.38	3.16	3.16	2.45	2.82	2.39	2.54	2.85
11	P2O5	NaN	0.24	0.28	0.27	0.35	0.43	0.21	0.20	0.12	0.21	0.35	0.35	0.27	0.19
12	LOI	NaN	1.64	1.41	1.65	2.25	1.41	1.45	0.82	0.70	1.55	1.16	2.10	1.52	0.76
13	Sum	NaN	99.50	99.64	99.86	99.81	99.31	99.84	99.79	99.05	99.91	99.89	98.87	99.78	99.37
14	Mg#	NaN	45	46	65	53	59	60	44	34	51	49	47	48	50
15	Na2O + K2O	NaN	6.23	6.31	4.66	5.37	6.11	4.83	7.64	7.53	6.48	7.04	6.86	7.23	7.61
16	Na2O/K2O	NaN	2.16	1.95	3.05	3.30	2.41	2.50	1.42	1.38	1.64	1.50	1.87	1.85	1.67
17	FeO+/MgO	NaN	2.18	2.06	0.95	1.57	1.25	1.20	2.31	3.48	1.75	1.84	2.02	1.95	1.80
18	Trace elements	NaN	(ppm)	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
19	Cr	NaN	124	157	250	215	128	254	56	10	120	183	90	150	106
20	Ni	NaN	47	66	180	126	96	112	15	4	55	50	73	39	71
21	Co	NaN	22	23	35	27	31	38	17	11	30	28	29	21	20
22	V	NaN	190	135	280	265	250	242	166	150	215	140	103	127	178

21	Co	NaN	22	23	35	27	31	38	17	11	30	28	29	21	20
22	V	NaN	190	135	280	265	250	242	166	150	215	140	103	127	178
23	Pb	NaN	17	21	18	14	15	17	19	28	19	18	15	18	20
24	Zn	NaN	17	21	18	14	15	17	62	110	19	18	15	18	85
25	Rb	NaN	65	51	32	35	45	37	76	85	62	72	54	67	64
26	Ba	NaN	678	914	602	543	643	711	712	868	771	715	940	551	654
27	Sr	NaN	690	773	940	745	791	620	415	385	930	892	810	363	335
28	Nb	NaN	10	8	5	7	8	4	8	15	5	5	8	11	9
29	Zr	NaN	195	190	157	203	190	153	240	308	145	230	227	160	285
30	Y	NaN	21	20	19	20	26	18	29	35	22	21	19	24	27
31	Th	NaN	5	6	4	4	3	5	6	6	8	5	6	4	5
32	U	NaN	2	nd	2	2	2	2	3	4	2	2	2	nd	3
33	Zr/Y	NaN	9	10	8	10	7	9	8	9	7	11	12	7	11
34	K/Rb	NaN	252	348	298	296	330	310	345	309	328	325	367	315	370
35	Rb/Sr	NaN	0.06	0.07	0.05	0.05	0.06	0.06	0.18	0.22	0.04	0.04	0.05	0.16	0.15
36	Rb/Ba	NaN	0.06	0.06	0.08	0.06	0.07	0.05	0.11	0.10	0.05	0.05	0.04	0.11	0.07

```
In [28]: tables[0].to_csv('file.csv', index = False)
```

