

Afghanistan	True
Albania	False
Algeria	False
American Samoa	False
Andorra	False
...	...
Tajikistan	True
Western Sahara	False
Yemen	True
Yemen	False
Zimbabwe	False
Name: Continent, Length: 195, dtype: bool	

In [35]: # 2. pass this condition into the DataFrame
df_can[df_can[condition]]

Out[35]:

	Continent	Region	DevName	1980	1981	1982	1983	1984	1985	1986	...	2005	2006	2007	2008	2009	2010
Afghanistan	Asia	South- Eastern Asia	Developing regions	16	39	39	47	71	340	496	...	3436	3009	2652	2111	1746	1758
Armenia	Asia	Western Asia	Developing regions	0	0	0	0	0	0	0	...	224	218	198	205	267	252
Azerbaijan	Asia	Western Asia	Developing regions	0	0	0	0	0	0	0	...	359	236	203	125	165	209
Bahrain	Asia	Western Asia	Developing regions	0	2	1	1	1	3	0	...	12	12	22	9	35	28
Bangladesh	Asia	Southern Asia	Developing regions	83	84	86	81	98	92	486	...	4171	4014	2897	2939	2104	4721
Bhutan	Asia	Southern Asia	Developing regions	0	0	0	0	1	0	0	...	5	10	7	36	865	1464
Brunei Darussalam	Asia	South- Eastern Asia	Developing regions	79	6	8	2	2	4	12	...	4	5	11	10	5	12
Cambodia	Asia	South- Eastern Asia	Developing regions	12	19	26	33	10	7	8	...	370	529	460	354	203	200
China	Asia	Eastern Asia	Developing regions	5123	6682	3308	1863	1527	1816	1960	...	42584	33518	27642	30037	29622	30391
China, Hong Kong Special Administrative Region	Asia	Eastern Asia	Developing regions	0	0	0	0	0	0	0	...	729	712	674	897	657	623
China, Macao Administrative Region	Asia	Eastern Asia	Developing regions	0	0	0	0	0	0	0	...	21	32	16	12	21	21
Cyprus	Asia	Western Asia	Developing regions	132	128	84	46	46	43	48	...	7	9	4	7	6	18
Democratic People's Republic of Korea	Asia	Eastern Asia	Developing regions	1	1	3	1	4	3	0	...	14	10	7	19	11	45
Georgia	Asia	Western Asia	Developing regions	0	0	0	0	0	0	0	...	114	125	132	112	128	126
India	Asia	Southern Asia	Developing regions	8880	8670	8147	7338	5704	4211	7150	...	36210	33848	28742	28261	29456	34235
Indonesia	Asia	South- Eastern Asia	Developing regions	186	178	252	115	123	100	127	...	632	613	657	661	504	712
Iran (Islamic Republic of)	Asia	Southern Asia	Developing regions	1172	1429	1822	1592	1977	1648	1794	...	5837	7480	6974	6475	6580	7477
Iraq	Asia	Western Asia	Developing regions	262	245	260	380	428	231	265	...	2226	1788	2406	3543	5450	5941
Israel	Asia	Western Asia	Developing regions	1403	1711	1334	541	446	680	1212	...	2446	2625	2401	2562	2316	2755
Japan	Asia	Eastern Asia	Developed regions	701	756	598	309	246	198	248	...	1067	1212	1250	1284	1194	1168
Jordan	Asia	Western Asia	Developing regions	177	160	155	113	102	179	181	...	1940	1827	1421	1581	1235	1831
Kazakhstan	Asia	Central Asia	Developing regions	0	0	0	0	0	0	0	...	506	408	436	394	431	377
Kuwait	Asia	Western Asia	Developing regions	1	0	8	2	1	4	4	...	66	35	62	53	68	67
Kyrgyzstan	Asia	Central Asia	Developing regions	0	0	0	0	0	0	0	...	173	161	135	168	173	157
Laos People's Democratic Republic	Asia	South- Eastern Asia	Developing regions	11	6	16	16	7	17	21	...	42	74	53	32	39	54
Lebanon	Asia	Western Asia	Developing regions	1409	1119	1159	789	1253	1683	2576	...	3709	3802	3467	3566	3077	3432
Malaysia	Asia	South- Eastern Asia	Developing regions	786	816	813	448	384	374	425	...	593	580	600	658	640	802
Maldives	Asia	Southern Asia	Developing regions	0	0	0	1	0	0	0	...	0	0	2	1	7	4
Mongolia	Asia	Eastern Asia	Developing regions	0	0	0	0	0	0	0	...	59	64	82	59	118	169
Myanmar	Asia	South- Eastern Asia	Developing regions	80	62	46	31	41	23	18	...	210	953	1887	975	1153	556
Nepal	Asia	Southern Asia	Developing regions	1	1	6	1	2	4	13	...	607	540	511	581	561	1392
Oman	Asia	Western Asia	Developing regions	0	0	0	8	0	0	0	...	14	18	16	10	7	14
Pakistan	Asia	Southern Asia	Developing regions	978	972	1201	900	668	514	691	...	14314	13127	10124	8994	7217	6811
Philippines	Asia	South- Eastern Asia	Developing regions	6051	5921	5249	4562	3801	3150	4166	...	18139	18400	19837	24887	28573	38617
Qatar	Asia	Western Asia	Developing regions	0	0	0	0	0	0	1	...	11	2	5	9	6	18
Republic of Korea	Asia	Eastern Asia	Developing regions	1011	1456	1572	1081	847	962	1208	...	5832	6215	5920	7294	5874	5537
Saudi Arabia	Asia	Western Asia	Developing regions	0	0	1	4	1	2	5	...	198	252	188	249	246	330
Singapore	Asia	South- Eastern Asia	Developing regions	241	301	337	169	128	139	205	...	392	298	690	734	366	805
Sri Lanka	Asia	Southern Asia	Developing regions	185	371	290	197	1086	845	1838	...	4930	4714	4123	4756	4547	4422
State of Palestine	Asia	Western Asia	Developing regions	0	0	0	0	0	0	0	...	453	627	441	481	400	654
Syrian Arab Republic	Asia	Western Asia	Developing regions	315	419	409	269	264	385	493	...	1458	1145	1056	919	917	1039
Tajikistan	Asia	Central Asia	Developing regions	0	0	0	0	0	0	0	...	85	46	44	15	50	52
Thailand	Asia	South- Eastern Asia	Developing regions	56	53	113	65	82	66	78	...	575	500	487	519	512	499
Turkey	Asia	Western Asia	Developing regions	481	874	706	280	338	202	257	...	2085	1638	1463	1122	1238	1492
Turkmenistan	Asia	Central Asia	Developing regions	0	0	0	0	0	0	0	...	40	26	37	13	20	30
United Arab Emirates	Asia	Western Asia	Developing regions	0	2	2	1	2	0	5	...	31	42	37	33	37	86
Uzbekistan	Asia	Central Asia	Developing regions	0	0	0	0	0	0	0	...	330	262	284	215	288	289
Viet Nam	Asia	South- Eastern Asia	Developing regions	1191	1829	2162	3404	7583	5907	2741	...	1852	3153	2574	1784	2171	1942
Yemen	Asia	Western Asia	Developing regions	1	2	1	6	0	18	7	...	161	140	122	133	128	211

49 rows × 38 columns

In [36]: # we can pass multiple criteria in the same line.
let's filter for AreaName = Asia and RegName = Southern Asia
df_can[(df_can['Continent']=='Asia') & (df_can['Region']=='Southern Asia')]
note: When using 'and' and 'or' operators, pandas requires we use 's' and 'l' instead of 'and' and 'or'.
don't forget to enclose the two conditions in parentheses

Out[36]:

	Continent	Region	DevName	1980	1981	1982	1983	1984	1985	1986	...	2005	2006	2007	2008	2009	2010
Afghanistan	Asia	South- Eastern Asia	Developing regions	16	39	39	47	71	340	496	...	3436	3009	2652	2111	1746	1758
Bangladesh	Asia	Southern Asia	Developing regions	83	84	86	81	98	92	486	...	4171	4014	2897	2939	2104	4721
Bhutan	Asia	Southern Asia	Developing regions	0	0	0	0	1	0	0	...	5	10	7	36	865	1464
India	Asia	Southern Asia	Developing regions	8880	8670	8147	7338	5704	4211	7150	...	36210	33848	28742	28261	29456	34235
Iran (Islamic Republic of)	Asia	Southern Asia	Developing regions	1172	1429	1822	1592	1977	1648	1794	...	5837	7480	6974	6475	6580	7477
Maldives	Asia	Southern Asia	Developing regions	0	0	0	1	0	0	0	...	0	0	2	1	7	4
Nepal	Asia	Southern Asia	Developing regions	1	1	6	1	2	4	13	...	607	540	511	581	561	1392
Pakistan	Asia	Southern Asia	Developing regions	978	972	1201	900	668	514	691	...	14314	13127	10124	8994	7217	6811
Sri Lanka	Asia	Southern Asia	Developing regions	185	371	290	197	1086	845	1838	...	4930	4714	4123	4756	4547	4422

9 rows × 38 columns

Before we proceed, let's review the changes we have made to our dataframe.

In [37]: print('data dimensions:', df_can.shape)
print(df_can.columns)
df_can.head(2)

data dimensions: (195, 38)
Index(['Continent', 'Region', 'DevName', '1980', '1981', '1982', '1983', '1984', '1985', '1986', ..., '2005', '2006', '2007', '2008', '2009', '2010', '2011', '2012', '2013', '2014', '2015', '2016', '2017', '2018', '2019', '2020', '2021', '2022', '2023', '2024', '2025', '2026', '2027', '2028', '2029', '2030', '2031', '2032', '2033', '2034', '2035', '2036', '2037', '2038', '2039', '2040', '2041', '2042', '2043', '2044', '2045', '2046', '2047', '2048', '2049', '2050', '2051', '2052', '2053', '2054', '2055', '2056', '2057', '2058', '2059', '2060', '2061', '2062', '2063', '2064', '2065', '2066', '2067', '2068', '2069', '2070', '2071', '2072', '2073', '2074', '2075', '2076', '2077', '2078', '2079', '2080', '2081', '2082', '2083', '2084', '2085', '2086', '2087', '2088', '2089', '2090', '2091', '2092', '2093', '2094', '2095', '2096', '2097', '2098', '2099', '2100', '2101', '2102', '2103', '2104', '2105', '2106', '2107', '2108', '2109', '2110', '2111', '2112', '2113', '2114', '2115', '2116', '2117', '2118', '2119', '2120', '2121', '2122', '2123', '2124', '2125', '2126', '2127', '2128', '2129', '2130', '2131', '2132', '2133', '2134', '2135', '2136', '2137', '2138', '2139', '2140', '2141', '2142', '2143', '2144', '2145', '2146', '2147', '2148', '2149', '2150', '2151', '2152', '2153', '2154', '2155', '2156', '2157', '2158', '2159', '2160', '2161', '2162', '2163', '2164', '2165', '2166', '2167', '2168', '2169', '2170', '2171', '2172', '2173', '2174', '2175', '2176', '2177', '2178', '2179', '2180', '2181', '2182', '2183', '2184', '2185', '2186', '2187', '2188', '2189', '2190', '2191', '2192', '2193', '2194', '2195', '2196', '2197', '2198', '2199', '2200', '2201', '2202', '2203', '2204', '2205', '2206', '2207', '2208', '2209', '2210', '2211', '2212', '2213', '2214', '2215', '2216', '2217', '2218', '2219', '2220', '2221', '2222', '2223', '2224', '2225', '2226', '2227', '2228', '2229', '2230', '2231', '2232', '2233', '2234', '2235', '2236', '2237', '2238', '2239', '2240', '2241', '2242', '2243', '2244', '2245', '2246', '2247', '2248', '2249', '2250', '2251', '2252', '2253', '2254', '2255', '2256', '2257', '2258', '2259', '2260', '2261', '2262', '2263', '2264', '2265', '2266', '2267', '2268', '2269', '2270', '2271', '2272', '2273', '2274', '2275', '2276', '2277', '2278', '2279', '2280', '2281', '2282', '2283', '2284', '2285', '2286', '2287', '2288', '2289', '2290', '2291', '2292', '2293', '2294', '2295', '2296', '2297', '2298', '2299', '2300', '2301', '2302', '2303', '2304', '2305', '2306', '2307', '2308', '2309', '2310', '2311', '2312', '2313', '2314', '2315', '2316', '2317', '2318', '2319', '2320', '2321', '2322', '2323', '2324', '2325', '2326', '2327', '2328', '2329', '2330', '2331', '2332', '2333', '2334', '2335', '2336', '2337', '2338', '2339', '2340', '2341', '2342', '2343', '2344', '2345', '2346', '2347', '2348', '2349', '2350', '2351', '2352', '2353', '2354', '2355', '2356', '2357', '2358', '2359', '2360', '2361', '2362', '2363', '2364', '2365', '2366', '2367', '2368', '2369', '2370', '2371', '2372', '2373', '2374', '2375', '2376', '2377', '2378', '2379', '2380', '2381', '2382', '2383', '2384', '2385', '2386', '2387', '2388', '2389', '2390', '2391', '2392', '2393', '2394', '2395', '2396', '2397', '2398', '2399', '2400', '2401', '2402', '2403', '2404', '2405', '2406', '2407', '2408', '2409', '2410', '2411', '2412', '2413', '2414', '2415', '2416', '2417', '2418', '2419', '2420', '2421', '2422', '2423', '2424', '2425', '2426', '2427', '2428', '2429', '2430', '2431', '2432', '2433', '2434', '2435', '2436', '2437', '2438', '2439', '2440', '2441', '2442', '2443', '2444', '2445', '2446', '2447', '2448', '2449', '2450', '2451', '2452', '2453', '2454', '2455', '2456', '2457', '2458', '2459', '2460', '2461', '2462', '2463', '2464', '2465', '2466', '2467', '2468', '2469', '2470', '2471', '2472', '2473', '2474', '2475', '2476', '2477', '2478', '2479', '2480', '2481', '2482', '2483', '2484', '2485', '2486', '2487', '2488', '2489', '2490', '2491', '2492', '2493', '2494', '2495', '2496', '2497', '2498', '2499', '2500', '2501', '2502', '2503', '2504', '2505', '2506', '2507', '2508', '2509', '2510', '2511', '2512', '2513', '251