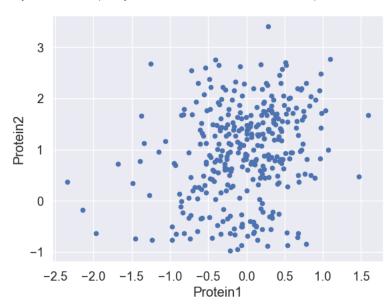
```
In [ ]: ▶ # packages for data analysis
            import numpy as np
            import pandas as pd
            from sklearn import svm
            # visual your data
            import matplotlib.pyplot as plt
            import seaborn as sns; sns.set(font_scale=1.2)
            %matplotlib inline
 In [7]: M CancerTypes = pd.read_csv('Cancer_dataset.csv')
            print(CancerTypes.head())
                 Patient_ID Age
                                  Gender Protein1 Protein2
                                                            Protein3 Protein4 \
               TCGA-D8-A1XD
                                 FEMALE 0.080353
                                                    0.42638
                                                             0.54715 0.273680
                             36
               TCGA-EW-A10X
                                 FEMALE -0.420320
                                                    0.57807
                                                             0.61447 -0.031505
                              43
                                                            -0.32747 -0.234260
            2
               TCGA-A8-A079
                              69
                                 FEMALE 0.213980
                                                    1.31140
               TCGA-D8-A1XR
                                 FEMALE
                                         0.345090
                                                  -0.21147
                                                            -0.19304 0.124270
                                                    1.90680
               TCGA-BH-A0BF
                                  FEMALE
                                         0.221550
                                                             0.52045 -0.311990
                                               Histology ER status PR status HER2 status \
              Tumour_Stage
                            Infiltrating Ductal Carcinoma
            0
                       III
                                                         Positive Positive
                                                                               Negative
            1
                        II
                                      Mucinous Carcinoma
                                                         Positive Positive
                                                                               Negative
            2
                            Infiltrating Ductal Carcinoma
                                                         Positive
                                                                   Positive
                                                                               Negative
                       III
            3
                            Infiltrating Ductal Carcinoma
                                                         Positive
                                                                   Positive
                                                                               Negative
                        II
                                                                               Negative
                        II Infiltrating Ductal Carcinoma Positive Positive
            4
                              Surgery_type Date_of_Surgery Date_of_Last_Visit
            0
               Modified Radical Mastectomy
                                                15-Jan-17
                                                                  19-Jun-17
                                                26-Apr-17
                                                                   9-Nov-18
            1
                                Lumpectomy
                                                                   9-Jun-18
            2
                                    Other
                                                 8-Sep-17
            3
               Modified Radical Mastectomy
                                                25-Jan-17
                                                                  12-Jul-17
                                                 6-May-17
                                                                  27-Jun-19
              Patient_Status
            0
                       Alive
                        Dead
            2
                       Alive
            3
                       Alive
            4
                        Dead
In [20]: ▶ import pandas as pd
            import matplotlib.pyplot as plt
In [23]: M df.plot(kind = 'scatter', x = 'Protein1', y = 'Protein2')
            plt.show()
```

\*c\* argument looks like a single numeric RGB or RGBA sequence, which should be avoided as value-mapping will have precedence in case its length matches with \*x\* & \*y\*. Please use the \*color\* keyword-argument or provide a 2D array with a single row if you intend to specify the same RGB or RGBA value for all points.



In [ ]: 🕨