

Figure 1 –Matrice de corrélation du dataset

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Out[8]: UPDRS                                1.000000
        Class Information                     0.755330
        Shimmer_APQ11                        0.199628
        Jitter_LOCAL_ABSOLUTE                0.177695
        Jitter_DDP                           0.165632
        Jitter_RAP                           0.165626
        Jitter_PPQ5                           0.152835
        Jitter_LOCAL                          0.140326
        Shimmer_LOCAL_DB                     0.088111
        Shimmer_LOCAL                        0.080626
        Shimmer_DDA                           0.046694
        Shimmer_APQ3                         0.046692
        Shimmer_APQ5                         0.038167
        Mean period                           0.037318
        Number of periods                     0.019000
        Fraction of locally unvoiced frames  0.018140
        Number of pulses                      0.014956
        AC                                    0.008776
        NTH                                  -0.007337
        Minimum pitch                         -0.029322
        HTN                                   -0.030669
        Standard deviation of period          -0.040173
        Number of voice breaks                -0.051036
        Median pitch                          -0.061634
        Mean pitch                           -0.065625
        Degree of voice breaks                -0.070437
        Standard deviation                    -0.071980
        Maximum pitch                         -0.079782
        SubjectId                             -0.602401
        Name: UPDRS, dtype: float64

```

Figure 2 – Valeurs de corrélation de UPDRS avec les variables indépendantes

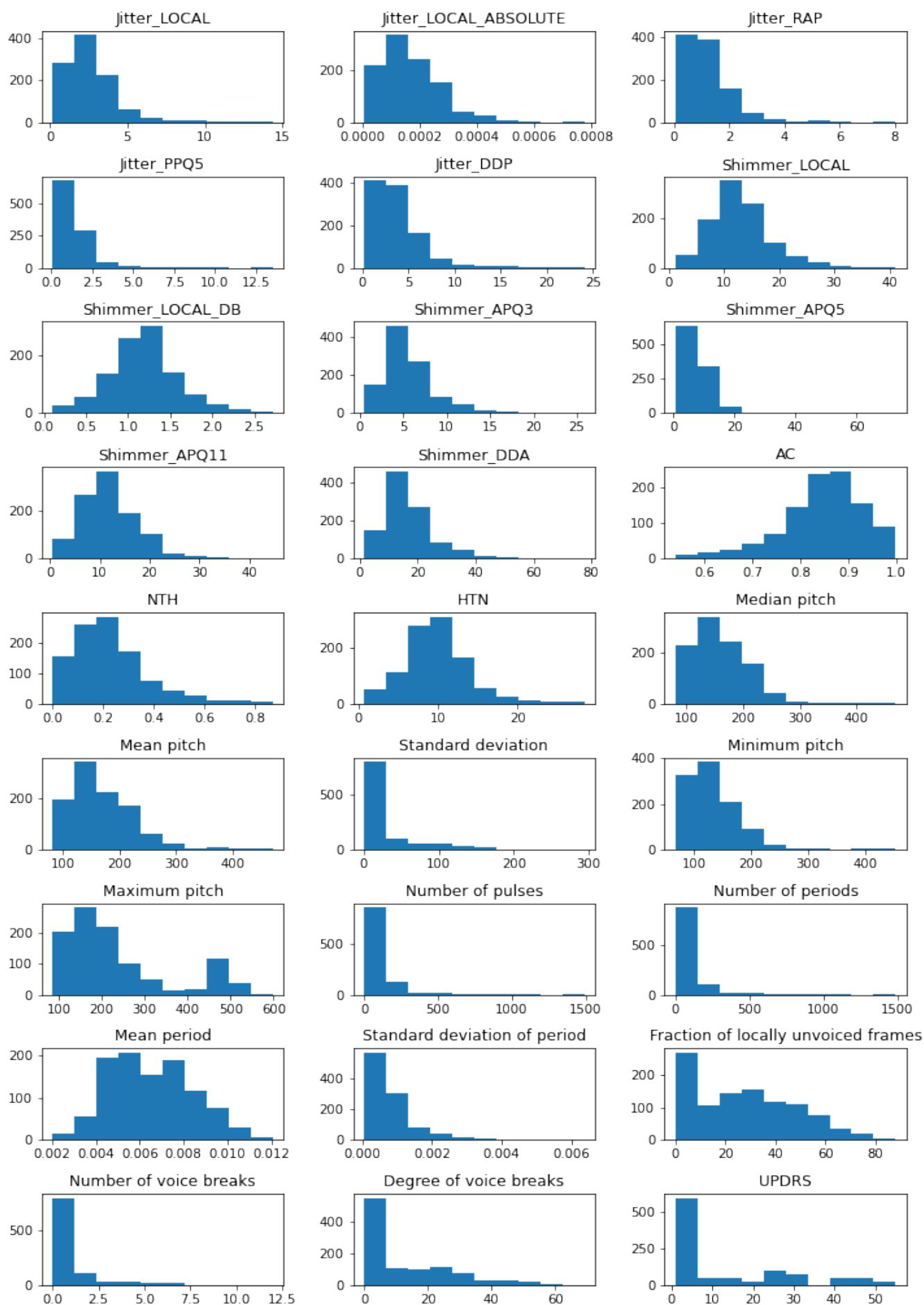


Figure 3 – Exploration unidimensionnelle avant transformation

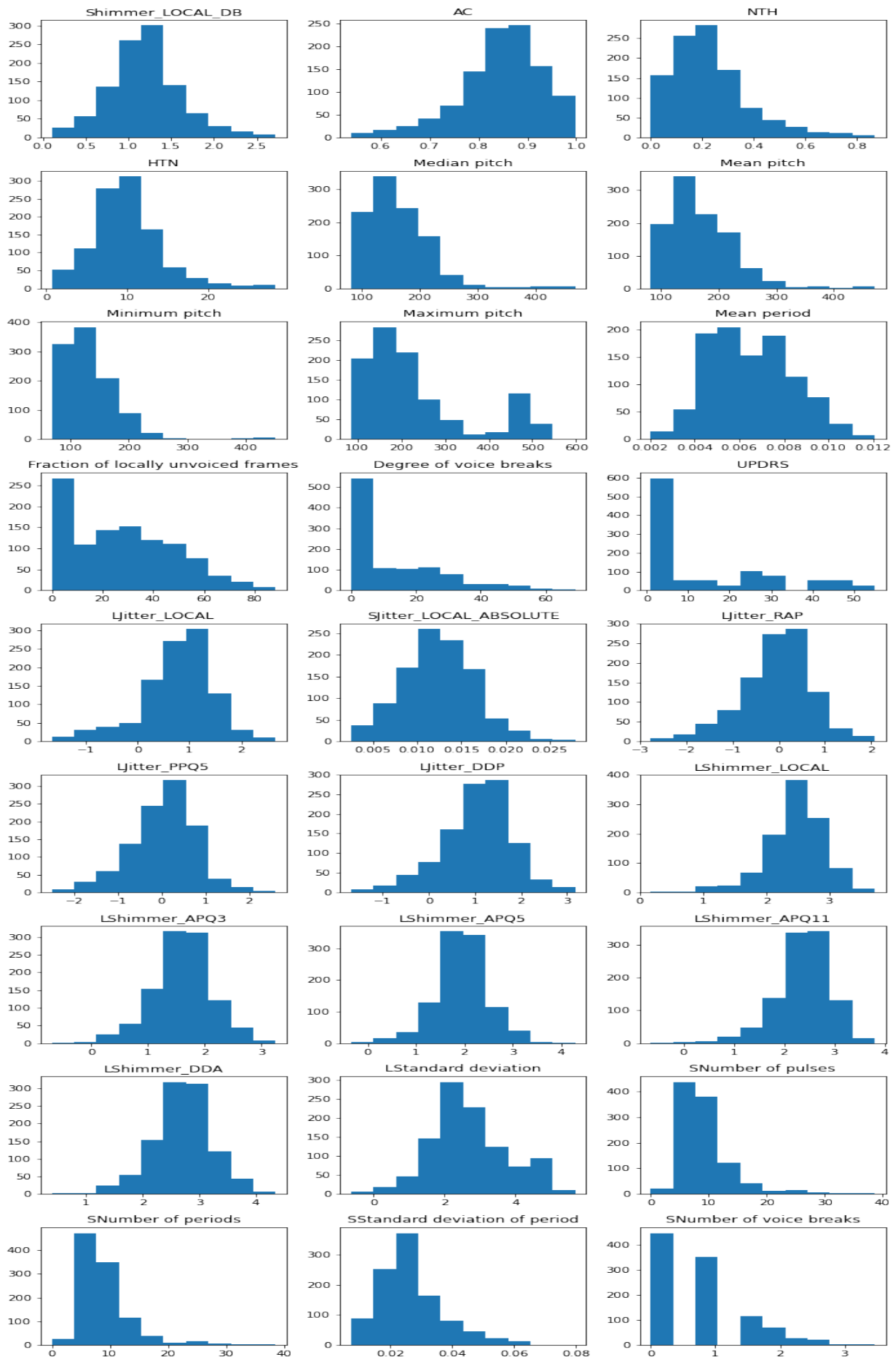


Figure 4 – Exploration unidimensionnelle apres transformation