```
Python 3.11.12 | packaged by conda-forge | (main, Apr 10 2025,
22:18:52) [Clang 18.1.8 ]
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IPython 8.36.0 -- An enhanced Interactive Python. Type '?' for help.

In [1]: %runfile '/System/Volumes/Data/Physics/Quantum Mechanics/EPR/
epr_investigations/violation_of_bell_inequality/Spyder/epr_1/epr.py'
--wdir
cwd:  /System/Volumes/Data/Physics/Quantum Mechanics/EPR/
epr_investigations/violation_of_bell_inequality/Spyder/epr_1

data_00.info
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 2779 entries, 0 to 2778
Data columns (total 4 columns):
 #   Column  Non-Null Count  Dtype
---  ------  --------------  -----
 0   A Det   2779 non-null   int64
 1   B Det   2779 non-null   int64
 2   AB      2779 non-null   int64
 3   A + B   2779 non-null   int64
dtypes: int64(4)
memory usage: 87.0 KB

Count 00 AB:  2779

data_00:
              A Det         B Det            AB         A + B
count  2779.000000   2779.000000   2779.000000   2779.000000
mean      0.724721      0.268082      0.108672      0.992803
std       0.446735      0.443040      0.311283      0.473888
min       0.000000      0.000000      0.000000      0.000000
25%       0.000000      0.000000      0.000000      1.000000
50%       1.000000      0.000000      0.000000      1.000000
75%       1.000000      1.000000      0.000000      1.000000
max       1.000000      1.000000      1.000000      2.000000

data_01:
              A Det         B Det            AB         A + B
count  4983.000000   4983.000000   4983.000000   4983.000000
mean      0.287578      0.600241      0.247441      0.887819
std       0.452679      0.489898      0.431569      0.771102
min       0.000000      0.000000      0.000000      0.000000
25%       0.000000      0.000000      0.000000      0.000000
50%       0.000000      1.000000      0.000000      1.000000
75%       1.000000      1.000000      0.000000      1.000000
max       1.000000      1.000000      1.000000      2.000000

data_10:
              A Det         B Det            AB         A + B
count  5493.000000   5493.000000   5493.000000   5493.000000
mean      0.328782      0.576370      0.271436      0.905152
std       0.469813      0.494178      0.444741      0.792994
min       0.000000      0.000000      0.000000      0.000000
```

```
25%        0.000000      0.000000      0.000000      0.000000
50%        0.000000      1.000000      0.000000      1.000000
75%        1.000000      1.000000      1.000000      2.000000
max        1.000000      1.000000      1.000000      2.000000

data_11:
            A Det         B Det            AB         A + B
count  2193.000000   2193.000000   2193.000000   2193.000000
mean      0.656179      0.266302      0.088919      0.922481
std       0.475091      0.442125      0.284692      0.499462
min       0.000000      0.000000      0.000000      0.000000
25%       0.000000      0.000000      0.000000      1.000000
50%       1.000000      0.000000      0.000000      1.000000
75%       1.000000      1.000000      0.000000      1.000000
max       1.000000      1.000000      1.000000      2.000000
```

Important
Figures are displayed in the Plots pane by default. To make them also appear inline in the console, you need to uncheck "Mute inline plotting" under the options menu of Plots.

In [2]: