



```
import pandas as pd
import numpy as np
data = np.random.rand(10, 4)
for _ in range(3):
    row, col = np.random.randint(0, 10), np.random.randint(0, 4)
    data[row, col] = np.nan
df = pd.DataFrame(data, columns=['A', 'B', 'C', 'D'])
def highlight_nan(val):
    if pd.isna(val):
        return 'background-color:red'
    else:
        return ''
styled_df = df.style.applymap(highlight_nan)
styled_df
```



	A	B	C	D
0	0.184080	0.297341	0.726904	0.021637
1	nan	0.047395	nan	0.181337
2	0.744781	0.809311	0.156862	0.823891
3	0.501419	0.170585	0.615840	0.768091
4	0.544154	0.379507	0.910547	0.391227
5	0.258401	0.397081	0.648486	0.173497
6	0.200160	0.395013	0.257410	0.763903
7	0.526286	0.010461	0.563211	0.850074

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