Report :

Data Summary Statistics

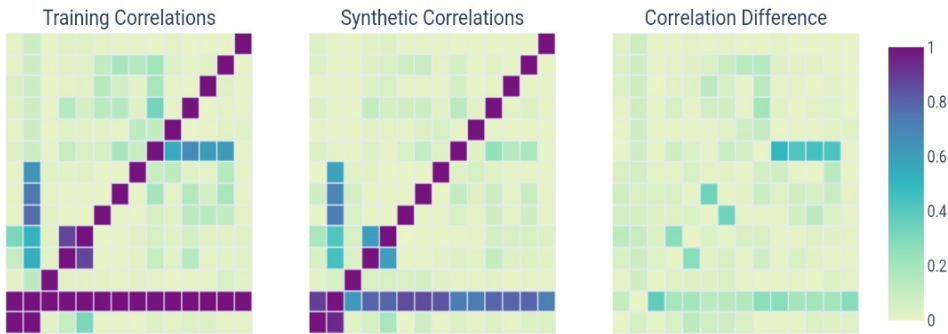| Excellent	Excellent	Excellent
81	90	89
Field Correlation Stability	Deep Structure Stability	Field Distribution Stability
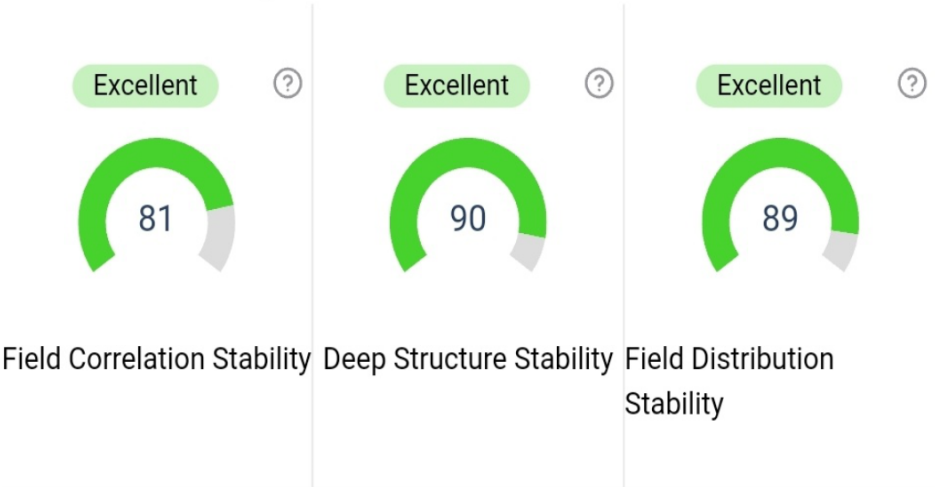
	Training Data	Synthetic Data
Row Count	5000	5000
Column Count	14	14
Training Lines Duplicated	--	0

Parameter Overview:

Training field overview ⓘ

Field	Unique	Missing	Ave. Length	Type	Distribution Stability
Product ID	5000	0	6.00	Other	N/A
Tool wear [min]	242	0	2.49	Numeric	Good
Torque [Nm]	526	0	4.00	Numeric	Good
Type	3	0	1.00	Categorical	Good
Process temperature [K]	80	0	5.00	Numeric	Good
UDI	5000	0	3.89	Numeric	Excellent
Air temperature [K]	91	0	5.00	Numeric	Excellent
Rotational speed [rpm]	785	0	4.00	Numeric	Excellent
Machine failure	2	0	1.00	Binary	Excellent
RNF	2	0	1.00	Binary	Excellent
HDF	2	0	1.00	Binary	Excellent
OSF	2	0	1.00	Binary	Excellent
TWF	2	0	1.00	Binary	Excellent
PWF	2	0	1.00	Binary	Excellent

Training and Synthetic Data Correlation

Training Correlations   Synthetic Correlations   Correlation Difference

Principal Component Analysis

Training Data   Synthetic Data
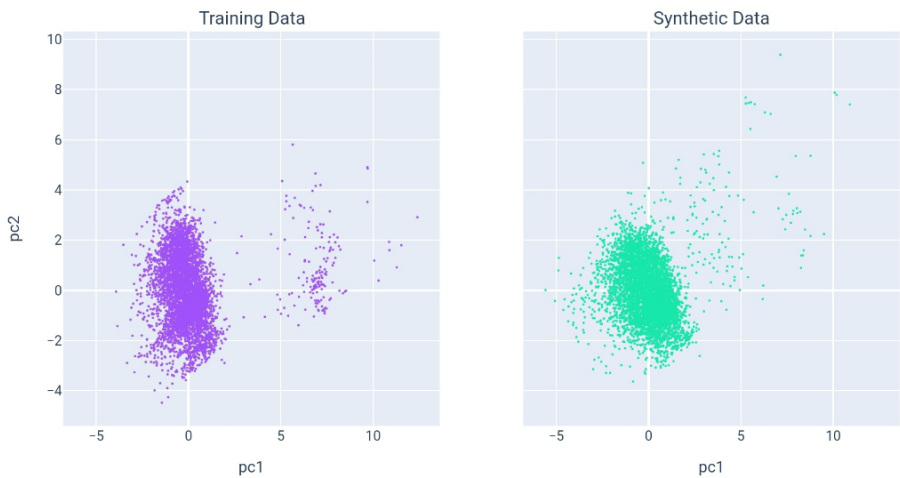
Field Distribution Comparisons

Training Data   Synthetic Data

Tool wear [min]   Torque [Nm]

Type

Process temperature [K]

UDI

Air temperature [K]

Rotational speed [rpm]