```sas

PROC MI DATA=your\_dataset OUT=missing\_info;

VAR your\_variable;

RUN;

```

```sas

PROC MEANS DATA=your\_dataset NOPRINT;

VAR your\_variable;

OUTPUT OUT=imputed\_dataset MEAN=imputed\_value;

RUN;

```

```sas

PROC MI DATA=your\_dataset OUT=imputed\_dataset M=5;

VAR your\_variable;

RUN;

```

```sas

DATA YourData;

SET YourDataset;

Z\_Score = (YourVariable - MEAN(YourVariable)) / STD(YourVariable);

RUN;

```

```sas

PROC UNIVARIATE DATA=YourData WINSOR=0.05;

VAR YourVariable;

RUN;

```

```sas

PROC MI DATA=YourData OUT=ImputedData;

VAR YourVariable;

RUN;

```

```sas

DATA YourData;

SET YourDataset;

NewVariable = Variable1 + Variable2;

RUN;

```

```sas

DATA YourData;

SET YourDataset;

Month = MONTH(DateVariable);

Age = INTCK('YEAR', Birthdate, Today(), 'C');

RUN;

```

```sas

DATA YourData;

SET YourDataset;

Status = IFN(Score >= 70, 'Pass', 'Fail');

RUN;

```

```sas

DATA YourData;

SET YourDataset;

Category\_A = (Category = 'A');

RUN;

```

```sas

DATA YourData;

SET YourDataset;

FullName = Firstname || ' ' || Lastname;

RUN;

```

```sas

PROC SUMMARY DATA=YourData NWAY;

VAR Sales;

OUTPUT OUT=SummaryData SUM=TotalSales;

RUN;

```

```sas

DATA YourData;

SET YourDataset;

LogTransformedVariable = LOG(YourVariable);

RUN;

```

```sas

DATA YourData;

SET YourDataset;

SqrtTransformedVariable = SQRT(YourVariable);

RUN;

```

```sas

DATA YourData;

SET YourDataset;

RecodedCategory = IFN(YourCategory = 'A', 'Group1', 'Group2');

RUN;

```

```sas

PROC STANDARD DATA=YourData OUT=StandardizedData MEAN=0 STD=1;

VAR YourVariable;

RUN;

```

```sas

PROC UNIVARIATE DATA=YourData WINSOR=0.05;

VAR YourVariable;

RUN;

```

```sas

DATA YourData;

SET YourDataset;

Total = SUM(Variable1, Variable2, Variable3);

RUN;

```

```sas

DATA YourData;

SET YourDataset;

Avg = MEAN(Variable1, Variable2, Variable3);

RUN;

```

```sas

DATA YourData;

SET YourDataset;

RoundedValue = ROUND(YourNumericVariable, 0.01);

RUN;

```

```sas

DATA YourData;

SET YourDataset;

UppercaseName = UPCASE(Name);

RUN;

```

```sas

DATA YourData;

SET YourDataset;

Substring = SUBSTR(Description, 1, 10);

RUN;

```

```sas

DATA YourData;

SET YourDataset;

TrimmedText = TRIM(TextVariable);

RUN;

```

```sas

DATA YourData;

SET YourDataset;

CurrentDate = TODAY();

RUN;

```

```sas

DATA YourData;

SET YourDataset;

FutureDate = INTNX('MONTH', Today(), 3);

RUN;

```

```sas

DATA YourData;

SET YourDataset;

CurrentTime = TIME();

RUN;

```

```sas

DATA YourData;

SET YourDataset;

LABEL Gender = 'Gender';

Gender\_Label = PUT(Gender, Gender.);

RUN;

```

```sas

DATA YourData;

SET YourDataset;

IF Gender = 'Male' THEN Male = 1; ELSE Male = 0;

IF Gender = 'Female' THEN Female = 1; ELSE Female = 0;

RUN;

```

```sas

DATA YourData;

SET YourDataset;

FORMAT Education\_Level education\_fmt.;

RUN;

```

```sas

PROC FORMAT;

VALUE $StatusFmt 'A' = 'Active' 'I' = 'Inactive';

RUN;

DATA YourData;

SET YourDataset;

Status\_Label = PUT(Status, $StatusFmt.);

RUN;

```

```sas

PROC FREQ DATA=YourData;

TABLES Category;

RUN;

```

```sas

DATA YourData;

SET YourDataset;

IF Frequency(Category) < 10 THEN Category = 'Other';

RUN;

```

```sas

DATA StandardizedData;

SET YourData;

/\* Assuming 'Currency' is a variable indicating the currency type \*/

IF Currency = 'EUR' THEN

StandardizedRevenue = Revenue \* 1.12; /\* Assuming the exchange rate is 1 USD = 1.12 EUR \*/

ELSE IF Currency = 'GBP' THEN

StandardizedRevenue = Revenue \* 1.32; /\* Assuming the exchange rate is 1 USD = 1.32 GBP \*/

ELSE

StandardizedRevenue = Revenue; /\* Assuming USD is the default currency \*/

RUN;

```

```sas

/\* Example: Missing Values Check \*/

PROC FREQ DATA=YourData;

TABLES \_NUMERIC\_ / MISSING;

RUN;

/\* Example: Duplicate Records Check \*/

PROC SORT DATA=YourData OUT=NoDuplicates NODUPKEY;

BY YourKeyVariable(s);

RUN;

```

```sas

/\* Example: Identifying Duplicate Records \*/

PROC SORT DATA=YourData OUT=SortedData NODUPKEY;

BY YourKeyVariable(s);

RUN;

PROC FREQ DATA=SortedData;

TABLES YourKeyVariable(s) / NOPRINT NOCOL NOROW;

RUN;

```

```sas

/\* Example: Removing Duplicate Records \*/

PROC SORT DATA=YourData OUT=NoDuplicates NODUPKEY;

BY YourKeyVariable(s);

RUN;

```

```sas

/\* Example: Aggregating Duplicate Data \*/

PROC MEANS DATA=YourData NOPRINT;

BY YourKeyVariable(s);

VAR YourNumericVariable(s);

OUTPUT OUT=AggregatedData SUM=YourSumVariable(s);

RUN;

```

```sas

/\* Example: Aggregating Duplicate Data \*/

PROC MEANS DATA=YourData NOPRINT;

BY YourKeyVariable(s);

VAR YourNumericVariable(s);

OUTPUT OUT=AggregatedData SUM=YourSumVariable(s);

RUN;

```

```sas

/\* Example: Flagging Duplicate Records \*/

PROC SORT DATA=YourData OUT=FlaggedData DUPOUT=Duplicates;

BY YourKeyVariable(s);

RUN;

```

```sas

DATA YourData;

INFILE 'your\_input\_file.csv' DLM=',' BUFFSIZE=32768; /\* Adjust BUFFSIZE as needed \*/

INPUT Var1 Var2 Var3;

RUN;

```

```sas

DATA CompressedData (COMPRESS=BINARY);

SET YourData;

RUN;

```

```sas

PROC DATASETS LIB=YourLibrary;

MODIFY YourData;

INDEX CREATE Var1 Var2;

QUIT;

```

```sas

OPTIONS THREADS=4; /\* Adjust the number of threads based on available resources \*/

```

```sas

OPTIONS MEMSIZE=4G; /\* Allocate 4 gigabytes of memory \*/

```

```sas

PROC SORT DATA=YourData SORTSIZE=100M; /\* Adjust SORTSIZE based on available memory \*/

BY Var1 Var2;

RUN;

```

```sas

OPTIONS SOURCE SOURCE2 MPRINT SYMBOLGEN;

DATA YourData;

/\* Your data step code \*/

RUN;

```

```sas

PROC SQL;

CREATE TABLE MergedData AS

SELECT \*

FROM Table1

INNER JOIN Table2 ON Table1.Key = Table2.Key;

QUIT;

```