

```

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  "name": "Indirect Excel Range Name Library",
  "objectType": "sipModel",
  "libraryType": "SIPmath_3_0",
  "dateCreated": "2021-07-14",
  "version": "0",
  "provenance": "SLS",
  "PM_Trials": 1000,
  "U01": {
    "rng": [
      {
        "name": "indexRng",
        "function": "Index",
        "arguments": {
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      }
    ]
  },
},
"sips": [
  {
    "name": "ProductDemand",
    "function": "SIP_Array",
    "ref": {
      "source": "rng",
      "name": "indexRng"
    },
    "arguments": {
      "type": "xlsx",
      "url": "https://sipmath.network/libraries/Demand.xlsx",
      "value": "Demand"
    },
    "metadata": {
      "Average": 100000,
      "Trial1": 141994,
      "Trial2": 75597,
      "Trial3": 103047,
      "density": [
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        0.000480271,
        0.001542279,
        0.004431848,
        0.011395986,
        0.026221889,
        0.053990967,

```

U01 section refers to a uniform random variable on 0 to 1.

rng stands for random number generator, which in this case is named "indexRng" and is an Index function.

The argument of the indexRNG is the Monte Carlo iteration counter ("PM\_Index").

The SIPs section starts here. This example has only one.

This SIP is named "ProductDemand" and is driven by a U01 named "indexRng".

The function is a SIP array.

The arguments are the location of the file containing the array of SIP elements. The SIP is stored in a named range.

Metadata includes the Average and three specific trials for calibration across platforms. In addition, Density data is included for creating a line graph of the density function.

0.099477139,  
0.164010075,  
0.241970725,  
0.319448006,  
0.377383228,  
0.398942280,  
0.377383228,  
0.319448006,  
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0.164010075,  
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0.053990967,  
0.026221889,  
0.011395986,  
0.004431848,  
0.001542279,  
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0.000133830

]

}

}

]

}