

Exploración de Datos - AT12

Período: 2024-01 | Run ID: 202401

Métrica	Valor
Archivos Analizados	1
Total de Registros	0
Fecha de Generación	2025-08-27 10:49:02
Timestamp de Ejecución	2025-08-25T16:34:35.909888

Resumen Ejecutivo

Este reporte presenta los resultados de la exploración de datos para el átomo AT12 correspondiente al período 2024-01. Se analizaron 1 archivo(s) con un total de 0 registros. La exploración incluye análisis de calidad de datos, estructura de archivos, distribución de valores y validaciones de esquema.

Análisis de Archivos

Archivos BASE_AT12

- BASE_AT12_20240131__run-202401.CSV

Propiedad	Valor
Ruta	/Users/macbook/Documents/newAtoms/data/raw/BASE_AT12_20240131__ru
Tamaño	1,202 bytes
Última Modificación	2025-08-25T14:34:39.909315
SHA256	326aae48d6574de4...
Filas	2
Columnas	39

Análisis de Calidad de Datos

Calidad de Datos - BASE_AT12

Análisis de Columnas

Análisis de Columnas - BASE_AT12

- BASE_AT12_20240131__run-202401.CSV

Estadísticas Detalladas por Columna

Columna	Tipo	Count	Distinct	Min	Max	Avg	Sum	Nulls
Fecha	datetime	2	1	2024-01-31 0...	2024-01-31 0...	N/A	N/A	0
Codigo_Banco	integer	2	2	1	2	1.50	3.00	0
Numero_Prestamo	string	2	2	LOAN001	LOAN002	N/A	N/A	0
Numero_Ruc_Garantia	integer	2	2	11111111111	12345678901 11728395006.0023456790012.00			0
Id_Fideicomiso	string	2	2	FID001	FID002	N/A	N/A	0
Nombre_Fiduciaria	string	2	2	Fiduciaria ABC	Fiduciaria DEF	N/A	N/A	0
Origen_Garantia	string	2	2	EXTERNO	INTERNO	N/A	N/A	0

Tipo_Garantia	string	2	2	HIPOTECARIA	PRENDARIA	N/A	N/A	0
Tipo_Facilidad	string	2	2	COMERCIAL	CONSUMO	N/A	N/A	0
Id_Documento	string	2	2	DOC001	DOC002	N/A	N/A	0
Nombre_Organismo	string	2	2	Organismo ABC	Organismo XYZ	N/A	N/A	0
Valor_Inicial	numeric	2	2	50000.0	100000.0	75000.00	150000.00	0
Valor_Garantia	numeric	2	2	48000.0	95000.0	71500.00	143000.00	0
Valor_Ponderado	numeric	2	2	45000.0	90000.0	67500.00	135000.00	0
Tipo_Instrumento	string	2	2	ACCIONES	BONOS	N/A	N/A	0
Calificacion_Emisor	string	2	2	AAA	BBB	N/A	N/A	0
Calificacion_Emisisi...	string	2	2	AAA	BBB	N/A	N/A	0
Pais_Emision	string	2	2	CO	PE	N/A	N/A	0
Fecha_Ultima_Actuali...	datetime	2	1	2024-01-31 0...	2024-01-31 0...	N/A	N/A	0
Fecha_Vencimiento	datetime	2	2	2027-01-31 0...	2029-01-31 0...	N/A	N/A	0
Tipo_Poliza	string	2	2	POL001	POL002	N/A	N/A	0
Codigo_Region	integer	2	2	1	2	1.50	3.00	0
Clave_Pais	string	2	2	CO	PE	N/A	N/A	0
Clave_Empresa	string	2	2	EMP001	EMP002	N/A	N/A	0
Clave_Tipo_Garantia	string	2	2	HIP	PRE	N/A	N/A	0
Clave_Subtipo_Garant...	string	2	2	RES	VEH	N/A	N/A	0
Clave_Tipo_Pren_Hipo	string	2	2	PRIM	SEC	N/A	N/A	0
Numero_Garantia	string	2	2	GAR001	GAR002	N/A	N/A	0
Numero_Cis_Garantia	string	2	2	CIS001	CIS003	N/A	N/A	0
Numero_Cis_Prestamo	string	2	2	CIS002	CIS004	N/A	N/A	0
Numero_Ruc_Prestamo	integer	2	2	87654321098	98765432109 98209876603.50	86419753207.00		0
Moneda	string	2	2	PEN	USD	N/A	N/A	0
Importe	numeric	2	2	50000.0	100000.0	75000.00	150000.00	0
Status_Garantia	string	2	1	VIGENTE	VIGENTE	N/A	N/A	0
Status_Prestamo	string	2	1	VIGENTE	VIGENTE	N/A	N/A	0
Flag_Val_Prestamo	string	2	1	S	S	N/A	N/A	0
Marca_Duplicidad	string	2	1	N	N	N/A	N/A	0
Codigo_Origen	string	2	2	ORIG001	ORIG002	N/A	N/A	0
Segmento	string	2	2	CORPORATIVO	RETAIL	N/A	N/A	0

Apéndice Técnico

Métricas Completas (JSON)

```
{ "atom": "AT12", "period": "2024-01", "run_id": "202401", "timestamp": "2025-08-25T16:34:35.909888", "files_analyzed": 1, "total_records": 0, "file_metrics": { "BASE_AT12_20240131__run-202401.CSV": { "file_path": "/Users/macbook/Documents/newAtoms/data/raw/BASE_AT12_20240131__run-202401.CSV", "file_name": "BASE_AT12_20240131__run-202401.CSV", "file_size": 1202, "file_mtime": "2025-08-25T14:34:39.909315", "file_sha256": "326aae48d6574de475ed8ba98bf96e26c908a328c294d6781a1223940f5109e4", "row_count": 2, "column_count": 39, "headers": [ "Fecha", "Codigo_Banco", "Numero_Prestamo", "Numero_Ruc_Garantia", "Id_Fideicomiso", "Nombre_Fiduciaria", "Origen_Garantia", "Tipo_Garantia", "Tipo_Facilidad", "Id_Documento", "Nombre_Organismo", "Valor_Inicial", "Valor_Garantia", "Valor_Ponderado", "Tipo_Instrumento", "Calificacion_Emisor", "Calificacion_Emision", "Pais_Emision", "Fecha_Ultima_Actualizacion", "Fecha_Vencimiento", "Tipo_Poliza", "Codigo_Region", "Clave_Pais", "Clave_Empresa", "Clave_Tipo_Garantia", "Clave_Subtipo_Garantia", "Clave_Tipo_Pren_Hipo", "Numero_Garantia", "Numero_Cis_Garantia", "Numero_Cis_Prestamo", "Numero_Ruc_Prestamo", "Moneda", "Importe", "Status_Garantia", "Status_Prestamo", "Flag_Val_Prestamo", "Marca_Duplicidad", "Codigo_Origen", "Segmento" ], "column_metrics": [ { "name": "Fecha", "data_type": "datetime", "null_count": 0, "null_percentage": 0.0, "unique_count": 1, "top_values": [ [ "2024-01-31", 2 ] ], "min_length": 10, "max_length": 10, "avg_length": 10.0, "min_value": "2024-01-31 00:00:00", "max_value": "2024-01-31 00:00:00", "mean_value": null, "std_value": null }, { "name": "Codigo_Banco", "data_type": "integer", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "001", 1 ], [ "002", 1 ] ], "min_length": 3, "max_length": 3, "avg_length": 3.0, "min_value": "1", "max_value": "2", "mean_value": 1.5, "std_value": 0.7071 }, { "name": "Numero_Prestamo", "data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "LOAN001", 1 ], [ "LOAN002", 1 ] ], "min_length": 7, "max_length": 7, "avg_length": 7.0, "min_value": "LOAN001", "max_value": "LOAN002", "mean_value": null, "std_value": null }, { "name": "Numero_Ruc_Garantia", "data_type": "integer", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "12345678901", 1 ], [ "1111111111", 1 ] ], "min_length": 11, "max_length": 11, "avg_length": 11.0, "min_value": "1111111111", "max_value": "12345678901", "mean_value": 11728395006.0, "std_value": 872971256.1435 }, { "name": "Id_Fideicomiso", "data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "FID001", 1 ], [ "FID002", 1 ] ], "min_length": 6, "max_length": 6, "avg_length": 6.0, "min_value": "FID001", "max_value": "FID002", "mean_value": null, "std_value": null }, { "name": "Nombre_Fiduciaria", "data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "Fiduciaria ABC", 1 ], [ "Fiduciaria DEF", 1 ] ], "min_length": 14, "max_length": 14, "avg_length": 14.0, "min_value": "Fiduciaria ABC", "max_value": "Fiduciaria DEF", "mean_value": null, "std_value": null }, { "name": "Origen_Garantia", "data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "INTERNO", 1 ], [ "EXTERNO", 1 ] ], "min_length": 7, "max_length": 7, "avg_length": 7.0, "min_value": "EXTERNO", "max_value": "INTERNO", "mean_value": null, "std_value": null }, { "name": "Tipo_Garantia", "data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "HIPOTECARIA", 1 ], [ "PRENDARIA", 1 ] ], "min_length": 9, "max_length": 11, "avg_length": 10.0, "min_value": "HIPOTECARIA", "max_value": "PRENDARIA", "mean_value": null, "std_value": null }, { "name": "Tipo_Facilidad", "data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "COMERCIAL", 1 ], [ "CONSUMO", 1 ] ], "min_length": 7, "max_length": 9, "avg_length": 8.0, "min_value": "COMERCIAL", "max_value": "CONSUMO", "mean_value": null, "std_value": null }, { "name": "Id_Documento", "data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "DOC001", 1 ], [ "DOC002", 1 ] ], "min_length": 6, "max_length": 6, "avg_length": 6.0, "min_value": "DOC001", "max_value": "DOC002", "mean_value": null, "std_value": null }, { "name": "Nombre_Organismo", "data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "Organismo XYZ", 1 ], [ "Organismo ABC", 1 ] ], "min_length": 13, "max_length": 13, "avg_length": 13.0, "min_value": "Organismo ABC", "max_value": "Organismo XYZ", "mean_value": null, "std_value": null }, { "name": "Valor_Inicial", "data_type": "numeric", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "100000.00", 1 ], [ "50000.00", 1 ] ], "min_length": 8, "max_length": 9, "avg_length": 8.5, "min_value": "50000.0", "max_value": "100000.0", "mean_value": 75000.0, "std_value": 35355.3391 }, { "name": "Valor_Garantia", "data_type": "numeric", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [
```

```

"95000.00", 1 ], [ "48000.00", 1 ] ], "min_length": 8, "max_length": 8, "avg_length": 8.0,
"min_value": "48000.0", "max_value": "95000.0", "mean_value": 71500.0, "std_value":
33234.0187 }, { "name": "Valor_Ponderado", "data_type": "numeric", "null_count": 0,
"null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "90000.00", 1 ], [ "45000.00",
1 ] ], "min_length": 8, "max_length": 8, "avg_length": 8.0, "min_value": "45000.0",
"max_value": "90000.0", "mean_value": 67500.0, "std_value": 31819.8052 }, { "name":
"Tipo_Instrumento", "data_type": "string", "null_count": 0, "null_percentage": 0.0,
"unique_count": 2, "top_values": [ [ "BONOS", 1
], [ "ACCIONES", 1 ] ], "min_length": 5, "max_length": 8, "avg_length": 6.5, "min_value":
"ACCIONES", "max_value": "BONOS", "mean_value": null, "std_value": null }, { "name":
"Calificacion_Emisor", "data_type": "string", "null_count": 0, "null_percentage": 0.0,
"unique_count": 2, "top_values": [ [ "AAA", 1 ], [ "BBB", 1 ] ], "min_length": 3,
"max_length": 3, "avg_length": 3.0, "min_value": "AAA", "max_value": "BBB", "mean_value":
null, "std_value": null }, { "name": "Calificacion_Emision", "data_type": "string",
"null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "AAA", 1 ], [
"BBB", 1 ] ], "min_length": 3, "max_length": 3, "avg_length": 3.0, "min_value": "AAA",
"max_value": "BBB", "mean_value": null, "std_value": null }, { "name": "Pais_Emision",
"data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2,
"top_values": [ [ "PE", 1 ], [ "CO", 1 ] ], "min_length": 2, "max_length": 2, "avg_length":
2.0, "min_value": "CO", "max_value": "PE", "mean_value": null, "std_value": null }, {
"name": "Fecha_Ultima_Actualizacion", "data_type": "datetime", "null_count": 0,
"null_percentage": 0.0, "unique_count": 1, "top_values": [ [ "2024-01-31", 2 ] ],
"min_length": 10, "max_length": 10,
"avg_length": 10.0, "min_value": "2024-01-31 00:00:00", "max_value": "2024-01-31 00:00:00",
"mean_value": null, "std_value": null }, { "name": "Fecha_Vencimiento", "data_type":
"datetime", "null_count": 0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [
"2029-01-31", 1 ], [ "2027-01-31", 1 ] ], "min_length": 10, "max_length": 10, "avg_length":
10.0, "min_value": "2027-01-31 00:00:00", "max_value": "2029-01-31 00:00:00", "mean_value":
null, "std_value": null }, { "name": "Tipo_Poliza", "data_type": "string", "null_count": 0,
"null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "POL001", 1 ], [ "POL002", 1 ]
], "min_length": 6, "max_length": 6, "avg_length": 6.0, "min_value": "POL001",
"max_value": "POL002", "mean_value": null, "std_value": null }, { "name": "Codigo_Region",
"data_type": "integer", "null_count": 0, "null_percentage": 0.0, "unique_count": 2,
"top_values": [ [ "01", 1 ], [ "02", 1 ] ], "min_length": 2, "max_length": 2, "avg_length":
2.0, "min_value": "1", "max_value": "2", "mean_value": 1.5, "std_value": 0.7071 }, { "name":
"Clave_Pais", "data_type": "string", "null_count": 0, "null_percentage": 0.0,
"unique_count": 2, "top_values": [ [ "PE", 1 ], [ "CO", 1 ] ], "min_length": 2,
"max_length": 2, "avg_length": 2.0, "min_value": "CO", "max_value": "PE", "mean_value":
null,
"std_value": null }, { "name": "Clave_Empresa", "data_type": "string", "null_count": 0,
"null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "EMP001", 1 ], [ "EMP002", 1 ]
], "min_length": 6, "max_length": 6, "avg_length": 6.0, "min_value": "EMP001", "max_value":
"EMP002", "mean_value": null, "std_value": null }, { "name": "Clave_Tipo_Garantia",
"data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2,
"top_values": [ [ "HIP", 1 ], [ "PRE", 1 ] ], "min_length": 3, "max_length": 3,
"avg_length": 3.0, "min_value": "HIP", "max_value": "PRE", "mean_value": null, "std_value":
null },
{ "name": "Clave_Subtipo_Garantia", "data_type": "string", "null_count": 0,
"null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "RES", 1 ], [ "VEH", 1 ] ],
"min_length": 3, "max_length": 3, "avg_length": 3.0, "min_value": "RES", "max_value":
"VEH", "mean_value": null, "std_value": null }, { "name": "Clave_Tipo_Pren_Hipo",
"data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2,
"top_values": [ [ "PRIM", 1 ], [ "SEC", 1 ] ], "min_length": 3, "max_length": 4,
"avg_length": 3.5, "min_value": "PRIM", "max_value": "SEC", "mean_value": null,
"std_value": null }, { "name": "Numero_Garantia",
"data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 2,
"top_values": [ [ "GAR001", 1 ], [ "GAR002", 1 ] ], "min_length": 6, "max_length": 6,
"avg_length": 6.0, "min_value": "GAR001", "max_value": "GAR002", "mean_value": null,
"std_value": null }, { "name": "Numero_Cis_Garantia", "data_type": "string", "null_count":
0, "null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "CIS001", 1 ], [ "CIS003", 1
] ], "min_length": 6, "max_length": 6, "avg_length": 6.0, "min_value": "CIS001",
"max_value": "CIS003", "mean_value": null, "std_value": null }, { "name":
"Numero_Cis_Prestamo", "data_type": "string", "null_count": 0,
"null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "CIS002", 1 ], [ "CIS004", 1 ]
], "min_length": 6, "max_length": 6, "avg_length": 6.0, "min_value": "CIS002", "max_value":
"CIS004", "mean_value": null, "std_value": null }, { "name": "Numero_Ruc_Prestamo",
"data_type": "integer", "null_count": 0, "null_percentage": 0.0, "unique_count": 2,
"top_values": [ [ "98765432109", 1 ], [ "87654321098", 1 ] ], "min_length": 11,
"max_length": 11, "avg_length": 11.0, "min_value": "87654321098", "max_value":
"98765432109", "mean_value": 93209876603.5, "std_value": 7856741942.3946 }, { "name":
"Moneda", "data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count":

```

2,

```
"top_values": [ [ "USD", 1 ], [ "PEN", 1 ] ], "min_length": 3, "max_length": 3,
"avg_length": 3.0, "min_value": "PEN", "max_value": "USD", "mean_value": null, "std_value":
null }, { "name": "Importe", "data_type": "numeric", "null_count": 0, "null_percentage":
0.0, "unique_count": 2, "top_values": [ [ "100000.00", 1 ], [ "50000.00", 1 ] ],
"min_length": 8, "max_length": 9, "avg_length": 8.5, "min_value": "50000.0", "max_value":
"100000.0", "mean_value": 75000.0, "std_value": 35355.3391 }, { "name": "Status_Garantia",
"data_type": "string", "null_count": 0, "null_percentage": 0.0, "unique_count": 1,
"top_values": [ [
"VIGENTE", 2 ] ], "min_length": 7, "max_length": 7, "avg_length": 7.0, "min_value":
"VIGENTE", "max_value": "VIGENTE", "mean_value": null, "std_value": null }, { "name":
"Status_Prestamo", "data_type": "string", "null_count": 0, "null_percentage": 0.0,
"unique_count": 1, "top_values": [ [ "VIGENTE", 2 ] ], "min_length": 7, "max_length": 7,
"avg_length": 7.0, "min_value": "VIGENTE", "max_value": "VIGENTE", "mean_value": null,
"std_value": null }, { "name": "Flag_Val_Prestamo", "data_type": "string", "null_count": 0,
"null_percentage": 0.0, "unique_count": 1, "top_values": [ [ "S", 2 ] ], "min_length": 1,
"max_length": 1, "avg_length": 1.0, "min_value": "S", "max_value": "S", "mean_value": null,
"std_value": null }, { "name": "Marca_Duplicidad", "data_type": "string", "null_count": 0,
"null_percentage": 0.0, "unique_count": 1, "top_values": [ [ "N", 2 ] ], "min_length": 1,
"max_length": 1, "avg_length": 1.0, "min_value": "N", "max_value": "N", "mean_value": null,
"std_value": null }, { "name": "Codigo_Origen", "data_type": "string", "null_count": 0,
"null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "ORIG001", 1 ], [ "ORIG002", 1
] ], "min_length": 7, "max_length": 7, "avg_length": 7.0, "min_value": "ORIG001",
"max_value": "ORIG002", "mean_value": null, "std_value": null }, { "name": "Segmento",
"data_type": "string", "null_count": 0,
"null_percentage": 0.0, "unique_count": 2, "top_values": [ [ "CORPORATIVO", 1 ], [ "RETAIL",
1 ] ], "min_length": 6, "max_length": 11, "avg_length": 8.5, "min_value": "CORPORATIVO",
"max_value": "RETAIL", "mean_value": null, "std_value": null } ], "validation_warnings":
[], "validation_errors": [], "processing_time": 0.03239107131958008 } } }
```