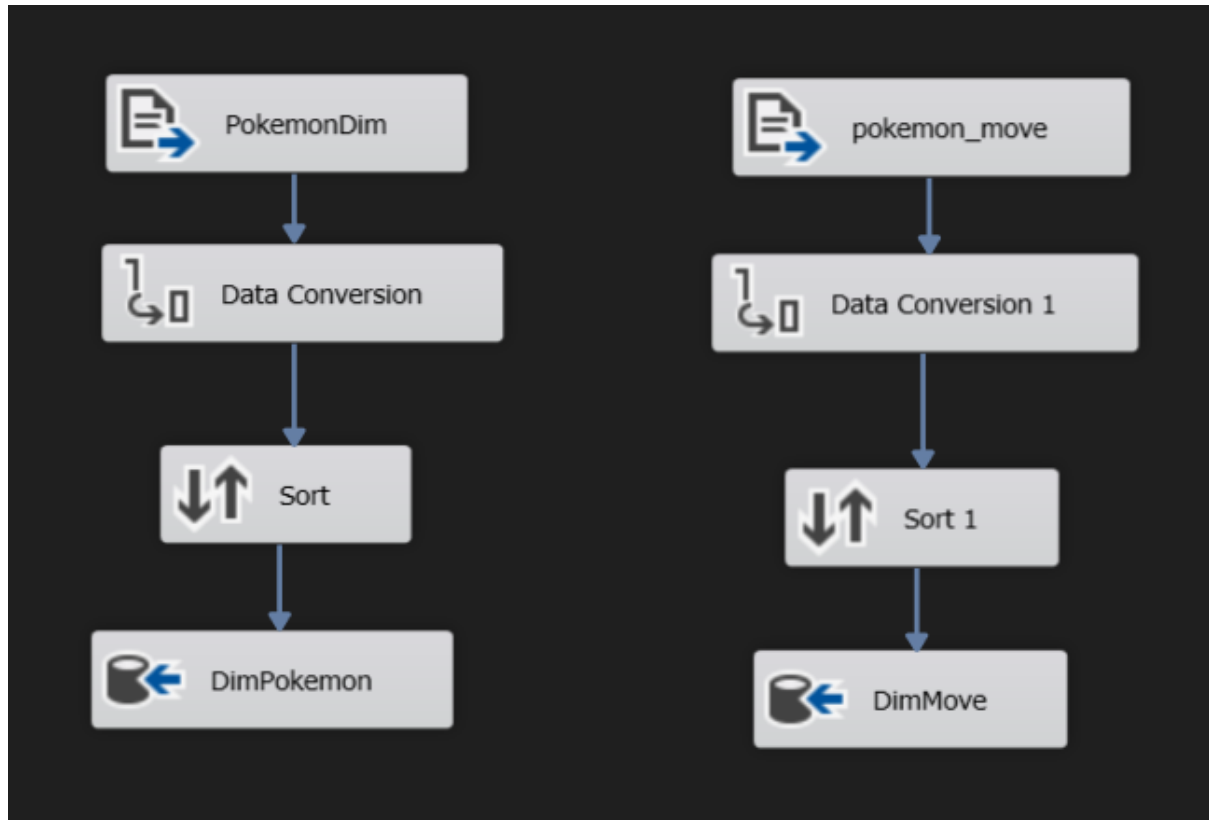


Dimension Tables Creating

Aim of the process

The goal is to create Dimension Tables (DimPokemon and DimMove). The whole data flow at this stage is shown below:



Transformations description

For the data obtained by python script (PokemonDim) and other flat file (gen9_pokemon_moves.csv) and based transformations are done to obtain dimensions tables.

The PokemonDim data source (PokemonDim_data_cleaned.csv):

Choosing appropriate data columns:

Flat File Source Editor

Configure the properties used to connect to and obtain data from a text file.

Connection Manager
Columns
Error Output

Available External ...

- ☒ Name
- ☐ index
- ☒ Pokemon
- ☐ Ability
- ☒ Type1_form
- ☒ Type2_form
- ☒ Ability_1
- ☒ Ability_2
- ☒ Ability_3

External Column	Output Column
Pokemon	Pokemon
Type1_form	Type1_form
Type2_form	Type2_form
Ability_1	Ability_1
Ability_2	Ability_2
Ability_3	Ability_3

OK Cancel Help

Data conversion:

Data Conversion Transformation Editor

Configure the properties used to convert the data type of an input column to a different data type. Depending on the data type to which the column is converted, set the length, precision, scale, and code page of the column.

Available Input Colu...

- ☒ Name
- ☒ Pokemon
- ☐ Type1_form
- ☐ Type2_form
- ☐ Ability_1
- ☐ Ability_2

Input Column	Output Alias	Data Type	Length	Precision	Scale	Code Page
Pokemon	Pokemon_converted	string [DT_STR]	30			1252 (ANS

Configure Error Output... OK Cancel Help

Sorting the data:

Sort Transformation Editor

Specify the columns to sort, and set their sort type and their sort order. All nonselected columns are copied unchanged.

Available Input Columns

<input checked="" type="checkbox"/>	Name	Pass Thr...
<input type="checkbox"/>	Pokemon	<input type="checkbox"/>
<input type="checkbox"/>	Type1_form	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Type2_form	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Ability_1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Ability_2	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Ability_3	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Pokemon_...	<input checked="" type="checkbox"/>

Input Column	Output Alias	Sort Type	Sort Order	Con
Pokemon_converted	Pokemon_converted	ascending	1	

☐ Remove rows with duplicate sort values

OK

Cancel

Help

The pokemon_move data source (gen9_pokemon_moves.csv):

Data view:

Data View

Sample data (up to first 200 rows)

Move	Type	Category	Power Points	Base Power	Accuracy	Battle Effect	Secondary Eff...	Secondary R...	Critical Rate	Speed Priority	Attack URL	Pokemon
Absorb	grass	special	25	20	100	A nutrient-dr...	User recover...	0	0.0417	0	https://serebi...	Smoliv
Absorb	grass	special	25	20	100	A nutrient-dr...	User recover...	0	0.0417	0	https://serebi...	Dolliv
Absorb	grass	special	25	20	100	A nutrient-dr...	User recover...	0	0.0417	0	https://serebi...	Arboliva
Absorb	grass	special	25	20	100	A nutrient-dr...	User recover...	0	0.0417	0	https://serebi...	Bramblin
Absorb	grass	special	25	20	100	A nutrient-dr...	User recover...	0	0.0417	0	https://serebi...	Brambleghast
Absorb	grass	special	25	20	100	A nutrient-dr...	User recover...	0	0.0417	0	https://serebi...	Brute Bonnet
Absorb	grass	special	25	20	100	A nutrient-dr...	User recover...	0	0.0417	0	https://serebi...	Wo-Chien
Absorb	grass	special	25	20	100	A nutrient-dr...	User recover...	0	0.0417	0	https://serebi...	Toedscool
Absorb	grass	special	25	20	100	A nutrient-dr...	User recover...	0	0.0417	0	https://serebi...	Toedsruel
Acid Armor	poison	other	20	0	101	The user alte...	Raises user's ...	0	0	0	https://serebi...	Glimmet
Acid Armor	poison	other	20	0	101	The user alte...	Raises user's ...	0	0	0	https://serebi...	Glimmora
Acid Spray	poison	special	20	40	100	The user atta...	Lowers oppo...	0	0.0417	0	https://serebi...	Glimmet
Acid Spray	poison	special	20	40	100	The user atta...	Lowers oppo...	0	0.0417	0	https://serebi...	Glimmora
Acid Spray	poison	special	20	40	100	The user atta...	Lowers oppo...	0	0.0417	0	https://serebi...	Shroode
Acid Spray	poison	special	20	40	100	The user atta...	Lowers oppo...	0	0.0417	0	https://serebi...	Grafaia
Acid Spray	poison	special	20	40	100	The user atta...	Lowers oppo...	0	0.0417	0	https://serebi...	Iron Moth

Close

Choosing appropriate data columns:

Flat File Source Editor

Configure the properties used to connect to and obtain data from a text file.

Connection Manager
Columns
Error Output

Available External Colu...

☐ Name

☒ Move

☒ Type

☒ Category

☐ Power Points

☐ Base Power

☐ Accuracy

☐ Battle Effect

☐ Secondary Effect

☐ Secondary Rate

☐ Critical Rate

☐ Speed Priority

☐ Attack URL

☐ Pokemon

External Column	Output Column
Move	Move
Type	Type
Category	Category

OK

Cancel

Help

Data conversion:

Data Conversion Transformation Editor

Configure the properties used to convert the data type of an input column to a different data type. Depending on the data type to which the column is converted, set the length, precision, scale, and code page of the column.

Available Input C...

☒ Name

☒ Move

☒ Type

☒ Category

Input Column	Output Alias	Data Type	Length	Precision	Scale	Code Page
Move	Move_converted	string [DT_STR]	30			1252 (ANSI - Latin I)
Type	Type_converted	string [DT_STR]	30			1252 (ANSI - Latin I)
Category	Category_converted	string [DT_STR]	30			1252 (ANSI - Latin I)

Configure Error Output...

OK

Cancel

Help

Sorting the data:

Sort Transformation Editor

Specify the columns to sort, and set their sort type and their sort order. All nonselected columns are copied unchanged.

Available Input Columns

<input checked="" type="checkbox"/>	Name	Pass Thr...
<input type="checkbox"/>	Move	<input type="checkbox"/>
<input type="checkbox"/>	Type	<input type="checkbox"/>
<input type="checkbox"/>	Category	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Move_converted	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Type_converted	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Category_conv...	<input checked="" type="checkbox"/>

Input Column	Output Alias	Sort Type	Sort Order	Con
Move_converted	Move_converted	ascending	1	

☒ Remove rows with duplicate sort values

OK Cancel Help

At the end data from both data sources are exported into appropriate database tables (created previously using SQL scripts) with the surrogate keys.