

-- JSON functions to transform staging data from a single JSON structure into multiple columns for ODS

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-- Since we will be uploading a JSON file, we need to create a JSON file format.  
*create or replace file format myjsonformat type = "JSON" strip\_outer\_array = true;*

--Next step is to create the Staging Area, which is a temporary holding area for data.  
*create or replace stage my\_json\_stage file\_format = myjsonformat;*

--Create a table with one column of type variant.

--business

*create table business(usersjson variant);*

--To upload data from your local computer to the Staging Area

*put file:///Users/HP/Desktop/warehouseproject/yelp\_academic\_dataset\_business.json  
@my\_json\_stage auto\_compress=true;*

--Finally copy the data you just uploaded to the staging area into the table

*copy into review from @my\_json\_stage/yelp\_academic\_dataset\_business.json.gz  
file\_format=myjsonformat on\_error='skip\_file';*

--user

*create table user (usersjson variant);*

--To upload data from your local computer to the Staging Area

*put file:///Users/HP/Desktop/warehouseproject/yelp\_academic\_dataset\_user.json  
@my\_json\_stage auto\_compress=true;*

--Finally copy the data you just uploaded to the staging area into the table

*copy into review from @my\_json\_stage/yelp\_academic\_dataset\_user.json.gz  
file\_format=myjsonformat on\_error='skip\_file';*

--checkin

*create table checkin (usersjson variant);*

--To upload data from your local computer to the Staging Area

*put file:///Users/HP/Desktop/warehouseproject/yelp\_academic\_dataset\_checkin.json  
@my\_json\_stage auto\_compress=true;*

--Finally copy the data you just uploaded to the staging area into the table

*copy into review from @my\_json\_stage/yelp\_academic\_dataset\_checkin.json.gz  
file\_format=myjsonformat on\_error='skip\_file';*

--review

*create table review (usersjson variant);*

--To upload data from your local computer to the Staging Area

*put file:///Users/HP/Desktop/warehouseproject/yelp\_academic\_dataset\_review.json  
@my\_json\_stage auto\_compress=true;*

--Finally copy the data you just uploaded to the staging area into the table

*copy into review from @my\_json\_stage/yelp\_academic\_dataset\_review.json.gz  
file\_format=myjsonformat on\_error='skip\_file';*

*--covid*

*create table covid (usersjson variant);*

*--To upload data from your local computer to the Staging Area*

*put file:///Users/HP/Desktop/warehouseproject/yelp\_academic\_dataset\_covid.json*

*@my\_json\_stage auto\_compress=true;*

*--Finally copy the data you just uploaded to the staging area into the table*

*copy into review from @my\_json\_stage/yelp\_academic\_dataset\_covid.json.gz*

*file\_format=myjsonformat on\_error='skip\_file';*

*--tip*

*create table tip(usersjson variant);*

*--To upload data from your local computer to the Staging Area*

*put file:///Users/HP/Desktop/warehouseproject/yelp\_academic\_dataset\_tip.json*

*@my\_json\_stage auto\_compress=true;*

*--Finally copy the data you just uploaded to the staging area into the table*

*copy into review from @my\_json\_stage/yelp\_academic\_dataset\_tip.json.gz*

*file\_format=myjsonformat on\_error='skip\_file';*