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| **IDS 462 STATISTICAL SOFTWARE FOR BUSINESS** | |
| **HOMEWORK 3 – Part 2** | |
|  | **TEAM MEMBERS**: |
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Part 2

Air Carrier\_Details

Code

data air\_carrier\_rates;

infile '/folders/myfolders/SAS\_HW3/rates.dat'; input Origination :$3.

Destination :$3.

Range\_of\_Flight $ Cargo\_Rate Passenger\_Fare Category\_of\_Flight $;

new\_cargo\_rate = Cargo\_Rate + 0.50;

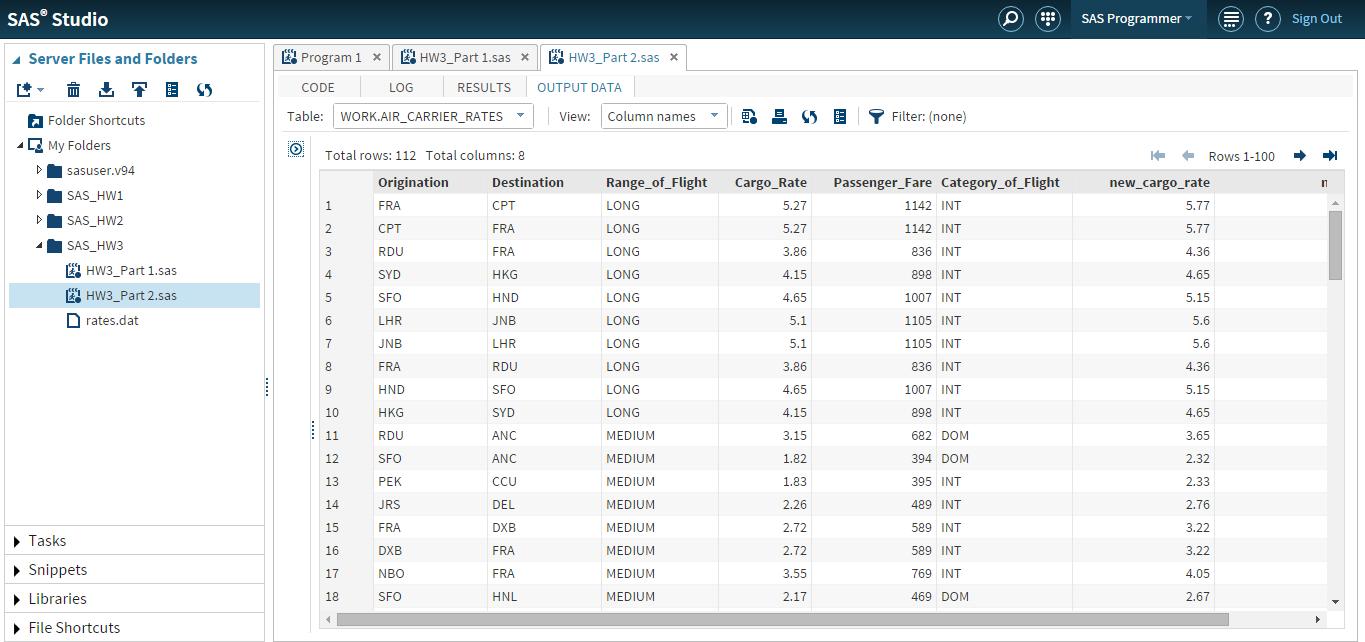
If Range\_of\_Flight = 'SHORT' then new\_pass\_fare = ((0.08\*Passenger\_Fare)+(Passenger\_Fare)); Else if Range\_of\_Flight = 'Medium' then new\_pass\_fare =

((0.1\*Passenger\_Fare)+(Passenger\_Fare));

Else new\_pass\_fare = ((0.12\*Passenger\_Fare)+(Passenger\_Fare));

Run;

Output Data



Report 1 – Listing of all files with new cargo rates

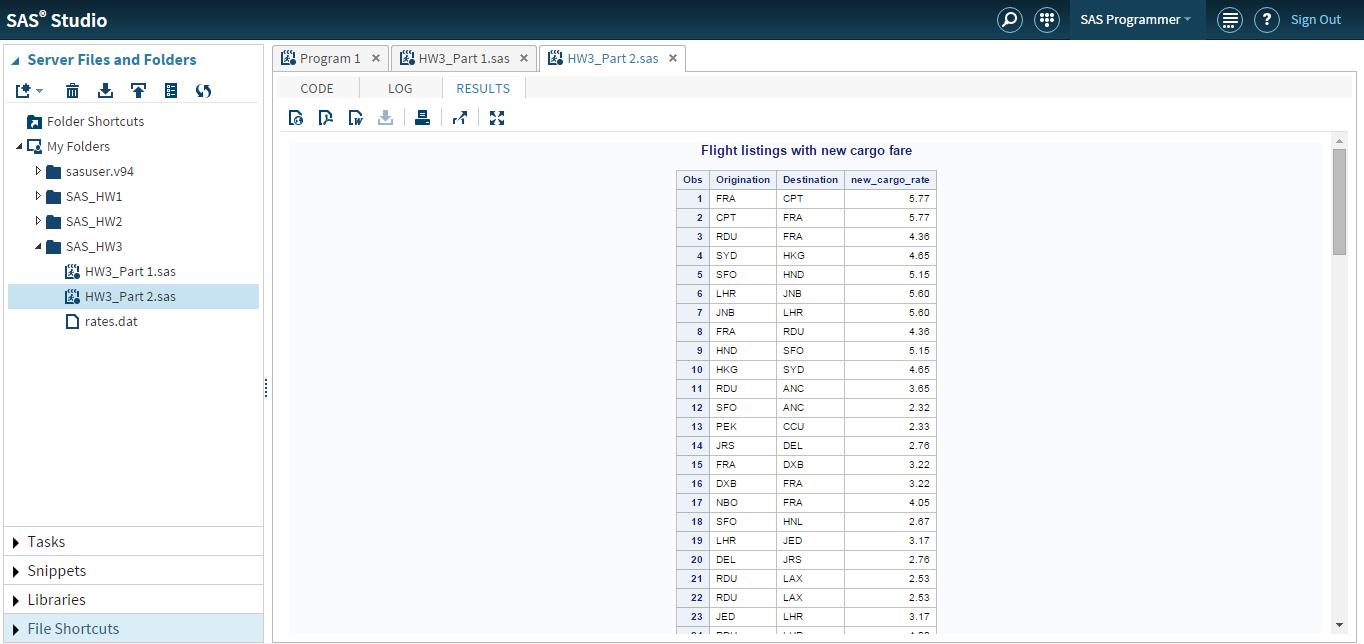
Code

/\* Report 1 \*/

proc print data=air\_carrier\_rates (keep = Origination Destination new\_cargo\_rate); title "Flight listings with new cargo fare";

Run;

Output Data



Report 2 – **Comparison between the average current passenger fare and the average new passenger fare for** **the domestic and international flights**

Code

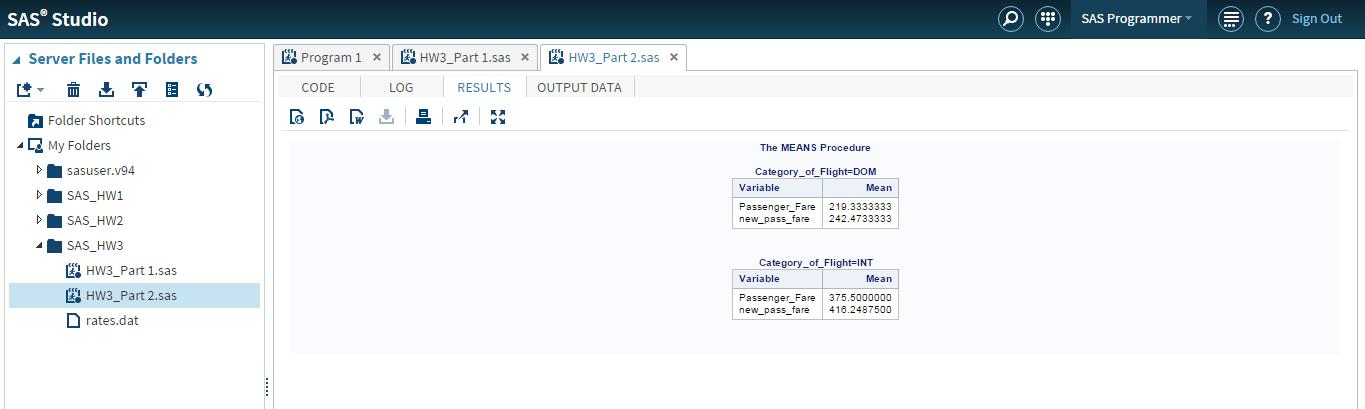
/\* Report 2 \*/

proc sort data=air\_carrier\_rates out=air\_carrier\_rates\_sort; by category\_of\_flight; Run;

proc means data=air\_carrier\_rates\_sort (keep=category\_of\_flight passenger\_fare new\_pass\_fare)mean; BY category\_of\_flight;

output out=air\_carrier\_rates\_comp mean=Average; run;

Output Data



Report 3 – **A breakdown of the frequency and percentage of domestic flights and international flights**Code

Code

/\*Report 3 - Frequency and Percent for Domestic and International Flights\*/ proc freq data=air\_carrier\_rates;

tables category\_of\_flight/out=air\_carrier\_rates\_freq norow nocol nocum; run;

Output Data

