

Dads and Famic Merged using proc sql

| Obs | famid | name | income | faminc12 | faminc13 | faminc14 |
|-----|-------|-------|--------|----------|----------|----------|
| 1 | 1 | Bill | 30000 | 40000 | 40500 | 41000 |
| 2 | 2 | Smith | 22000 | 45000 | 45400 | 45800 |
| 3 | 3 | Paul | 25000 | 75000 | 76000 | 77000 |

Dads and Famic Merged using data step

| famid | name | income | faminc12 | faminc13 | faminc14 |
|-------|-------|--------|----------|----------|----------|
| 1 | Bill | 30000 | 40000 | 40500 | 41000 |
| 2 | Smith | 22000 | 45000 | 45400 | 45800 |
| 3 | Paul | 25000 | 75000 | 76000 | 77000 |

**change the names of the variables
faminc12 , faminc13 and famic14 to
totalinc2012, totalinc2013 and totalinc2014**

Saturday, November 16, 2019 07:24:44 PM 3

| Obs | totalinc2012 | totalinc2013 | totalinc2014 |
|-----|--------------|--------------|--------------|
| 1 | 40000 | 40500 | 41000 |
| 2 | 45000 | 45400 | 45800 |
| 3 | 75000 | 76000 | 77000 |

| Obs | famid | name | income | kidname | birth | age | wt | sex |
|-----|-------|-------|--------|---------|-------|-----|----|-----|
| 1 | 1 | Bill | 30000 | Beth | 1 | 9 | 60 | f |
| 2 | 1 | Bill | 30000 | Bob | 2 | 6 | 40 | m |
| 3 | 1 | Bill | 30000 | Barb | 3 | 3 | 20 | f |
| 4 | 2 | Smith | 22000 | Andy | 1 | 8 | 80 | m |
| 5 | 2 | Smith | 22000 | Al | 2 | 6 | 50 | m |
| 6 | 2 | Smith | 22000 | Ann | 3 | 2 | 20 | f |
| 7 | 3 | Paul | 25000 | Pete | 1 | 6 | 60 | m |
| 8 | 3 | Paul | 25000 | Pam | 2 | 4 | 40 | f |
| 9 | 3 | Paul | 25000 | Phil | 3 | 2 | 20 | m |

Use Aliases, Calculated Columns and CASE Expressions

| patient | Weight_lb | Height (in.) | BMI | BMI Prime | Weight Category | Remark |
|---------|-----------|--------------|------|-----------|----------------------|--------|
| Jack | 205 | 66 | 33.1 | 1.32 | Obese Class I | |
| Jock | 198 | 71 | 27.6 | 1.20 | Overweight | Asian |
| Jane | 143 | 68 | 21.7 | 0.87 | Normal | |
| Joe | 167 | 68 | 25.4 | 1.02 | Overweight | |
| Jenny | 98 | 65 | 16.3 | 0.65 | Severely underweight | |
| Jackson | 221 | 65 | 36.8 | 1.60 | Obese Class II | Asian |
| Horton | 314 | 70 | 45.0 | 1.80 | Obese Class III | |
| Jill | 121 | 63 | 21.4 | 0.93 | Normal | Asian |