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/* Generated Code (IMPORT) */
/* Source File: HR-Employee-Attrition.csv */
/* Source Path: /home/u62797381 */
/* Code generated on: 03/02/2023 08:49 */

%web_drop_table(WORK.IMPORT);

FILENAME REFFILE '/home/u62797381/HR-Employee-Attrition.csv';

PROC IMPORT DATAFILE=REFFILE
  DBMS=CSV
  OUT=WORK.HR;
  GETNAMES=YES;
RUN;

PROC CONTENTS DATA=WORK.HR; RUN;

%web_open_table(WORK.HR);

/* oldest and youngest age group */
ods graphics / reset width=6.4in height=4.8in imagemap;
title "oldest and youngest oge group";

proc sgplot data=WORK.HR_EMPLOYEE_ATTRITION;
  histogram Age / scale=count;
  yaxis grid;
run;

ods graphics / reset;

/* the most popular income */
ods graphics / reset width=6.4in height=4.8in imagemap;

proc sgplot data=WORK.HR_EMPLOYEE_ATTRITION;
  title height=14pt "Income distribution of of average monthly salaries";
  vbox MonthlyIncome / fillattrs=(color=CXe6cad9) notches;
  yaxis grid;
run;

ods graphics / reset;
title;

/* income vs jobrole and gender */
ods graphics / reset width=6.4in height=4.8in imagemap;

proc sgplot data=WORK.HR_EMPLOYEE_ATTRITION;
  title height=14pt "Income per Job Role";
  vbar JobRole / response=MonthlyIncome fillattrs=(color=CXcacce6) datalabel
    stat=mean;
  xaxis valuesrotate=diagonal;
run;

ods graphics / reset;
title;

/* YearsAtCompany vs age */
title "Years at Company vs Age";
proc sgplot data=WORK.HR_EMPLOYEE_ATTRITION;
  scatter y=YearsAtCompany x=age;
```

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run;

/* department vs gender */
ods graphics / reset width=6.4in height=4.8in imagemap;

.....
proc sgplot data=WORK.HR_EMPLOYEE_ATTRITION;
    title height=14pt "Gender Distribution by Work Department";
    vbar Department / group=Gender groupdisplay=cluster;
    yaxis grid;
run;

ods graphics / reset;
title;

/* pie chart */
```