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2025

SAS® SQL Case Study Preview

Presented by: Carleigh Jo Crabtree

linkedin.com/in/carleigh-jo-crabtree
CarleighJo.Crabtree@sas.com

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About Carleigh Jo

🎓	North Carolina State University Business Administration, IT Concentration
📊	SAS Technical Training Consultant
✈️	Travel, baking, sewing

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Agenda

01 Intro to PROC SQL Syntax

02 Explore Data

03 Case Study Preview

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PROC SQL Syntax

```
PROC SQL;
SELECT
     FROM
     <WHERE>
     <GROUP BY>
     <HAVING>
     <ORDER BY>
      ;
QUIT;
```

Row	Date_Received
1	2013
2	2014
3	2015
4	2016
5	2017

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PROC SQL Syntax

```
PROC SQL number;
SELECT *
     FROM table;
QUIT;
```

Controls display of row numbers as first column in results

```
PROC SQL;
CREATE TABLE tableName AS
SELECT *
     FROM table;
QUIT;
```

Creates a table rather than a report

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PROC SQL Syntax

```
PROC SQL;
SELECT DISTINCT *
     FROM table;
QUIT;
```

Eliminates duplicate rows

```
PROC SQL;
SELECT DISTINCT col
     FROM table;
QUIT;
```

Select unique values within specified column(s)

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PROC SQL Syntax

```
PROC SQL OUTOBS=10;
SELECT *
     FROM table;
QUIT;
```

All rows are processed, number of rows output in results are limited

```
PROC SQL;
SELECT count(*) AS Total
     FROM table;
QUIT;
```

Counts total number of rows

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Data Discovery

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I lost my luggage!

My car is damaged!

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Demonstration

Follow along in your lab

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Thank you!

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