--New descending table of “Emergency Department” average score sort by state.

DROP TABLE SEMR\_AVG;

CREATE TABLE SEMR\_AVG AS

SELECT state, AVG(score) AS emr\_avg\_score FROM ER\_time\_effec WHERE condition = 'Emergency Department'

GROUP BY state

ORDER BY emr\_avg\_score DESC;

--New descending table of “Surgical Care Improvement” average scores sort by state.

DROP TABLE SSCI\_AVG;

CREATE TABLE SSCI\_AVG AS

SELECT state, AVG(score) AS sci\_avg\_score FROM ER\_time\_effec WHERE condition = 'Surgical Care Improvement Project'

GROUP BY state

ORDER BY sci\_avg\_score DESC;

--New descending table of “Children’s Asthma” average scores sort by state.

DROP TABLE SASTH\_AVG;

CREATE TABLE SASTH\_AVG AS

SELECT state, AVG(score) AS asth\_avg\_score FROM ER\_time\_effec WHERE meas\_id = 'CAC\_3'

GROUP BY state

ORDER BY asth\_avg\_score DESC;

--New descending table of “Heart Failure” average scores sort by state.

DROP TABLE SHF\_AVG;

CREATE TABLE SHF\_AVG AS

SELECT state, AVG(score) AS hf\_avg\_score FROM ER\_time\_effec WHERE condition = 'Heart Failure'

GROUP BY state

ORDER BY hf\_avg\_score DESC;

--New descending table of “Stroke Care” average scores sort by state.

DROP TABLE SSC\_AVG;

CREATE TABLE SSC\_AVG AS

SELECT state, AVG(score) AS sc\_avg\_score FROM ER\_time\_effec WHERE condition = 'Stroke Care'

GROUP BY state

ORDER BY sc\_avg\_score DESC;

--New descending table of “Pneumonia” average scores sort by state.

DROP TABLE SPNEU\_AVG;

CREATE TABLE SPNEU\_AVG AS

SELECT state, AVG(score) AS pneu\_avg\_score FROM ER\_time\_effec WHERE condition = 'Pneumonia'

GROUP BY state

ORDER BY pneu\_avg\_score DESC;

--New descending table of “Preventive Care” average scores sort by state.

DROP TABLE SPREV\_AVG;

CREATE TABLE SPREV\_AVG AS

SELECT state, AVG(score) AS prev\_avg\_score FROM ER\_time\_effec WHERE condition = 'Preventive Care'

GROUP BY state

ORDER BY prev\_avg\_score DESC;

--New descending table of “Blood Clot Prevention and Treatment” average scores sort by state.

DROP TABLE SBC\_AVG;

CREATE TABLE SBC\_AVG AS

SELECT state, AVG(score) AS bc\_avg\_score FROM ER\_time\_effec WHERE condition = 'Blood Clot Prevention and Treatment'

GROUP BY state

ORDER BY bc\_avg\_score DESC;

--New descending table of “Heart Attack or Chest Pain” average scores sort by state.

DROP TABLE SHEART\_AVG;

CREATE TABLE SHEART\_AVG AS

SELECT state, AVG(score) AS heart\_avg\_score FROM ER\_time\_effec WHERE condition = 'Heart Attack or Chest Pain'

GROUP BY state

ORDER BY heart\_avg\_score DESC;

--New descending table of “Pregnancy and Delivery Care” average scores sort by state.

DROP TABLE SPREG\_AVG;

CREATE TABLE SPREG\_AVG AS

SELECT state, AVG(score) AS preg\_avg\_score FROM ER\_time\_effec WHERE condition = 'Pregnancy and Delivery Care'

GROUP BY state

ORDER BY preg\_avg\_score DESC;

--combing Emergency Department with Surgical Care Improvement score by state on average.

DROP TABLE SJOIN1;

CREATE TABLE SJOIN1 AS

SELECT SEMR\_AVG.state, SEMR\_AVG.emr\_avg\_score, SSCI\_AVG.sci\_avg\_score

FROM SEMR\_AVG

INNER JOIN SSCI\_AVG

ON SEMR\_AVG.state = SSCI\_AVG.state;

--combining SJOIN1 with Children’s Asthma Scores by state on average.

DROP TABLE SJOIN2;

CREATE TABLE SJOIN2 AS

SELECT SASTH\_AVG.state, SASTH\_AVG.asth\_avg\_score, SJOIN1.emr\_avg\_score, SJOIN1.sci\_avg\_score

FROM SASTH\_AVG

INNER JOIN SJOIN1

ON SJOIN1.state = SASTH\_AVG.state;

----combining SJOIN2 with Heart Failure scores by state on average.

DROP TABLE SJOIN3;

CREATE TABLE SJOIN3 AS

SELECT SHF\_AVG.state, SHF\_AVG.hf\_avg\_score, SJOIN2.emr\_avg\_score, SJOIN2.sci\_avg\_score, SJOIN2.asth\_avg\_score

FROM SHF\_AVG

INNER JOIN SJOIN2

ON SJOIN2.state = SHF\_AVG.state;

--combining SJOIN3 with Stroke Care score by state on average.

DROP TABLE SJOIN4;

CREATE TABLE SJOIN4 AS

SELECT SSC\_AVG.state, SSC\_AVG.sc\_avg\_score, SJOIN3.emr\_avg\_score, SJOIN3.sci\_avg\_score, SJOIN3.asth\_avg\_score, SJOIN3.hf\_avg\_score

FROM SSC\_AVG

INNER JOIN SJOIN3

ON SJOIN3.state = SSC\_AVG.state;

--combining SJOIN4 with the average Pneumonia score by state.

DROP TABLE SJOIN5;

CREATE TABLE SJOIN5 AS

SELECT SPNEU\_AVG.state, SPNEU\_AVG.pneu\_avg\_score, SJOIN4.emr\_avg\_score, SJOIN4.sci\_avg\_score, SJOIN4.asth\_avg\_score, SJOIN4.hf\_avg\_score, SJOIN4.sc\_avg\_score

FROM SPNEU\_AVG

INNER JOIN SJOIN4

ON SJOIN4.state = SPNEU\_AVG.state;

-- combining SJOIN 5 with the Preventive on average by state table.

DROP TABLE SJOIN6;

CREATE TABLE SJOIN6 AS

SELECT SPREV\_AVG.state, SPREV\_AVG.prev\_avg\_score, SJOIN5.emr\_avg\_score, SJOIN5.sci\_avg\_score, SJOIN5.asth\_avg\_score, SJOIN5.hf\_avg\_score, SJOIN5.sc\_avg\_score, SJOIN5.pneu\_avg\_score

FROM SPREV\_AVG

INNER JOIN SJOIN5

ON SJOIN5.state = SPREV\_AVG.state;

-- combining SJOIN6 with the Blood Clot Prevention and Treatment on average by state.

DROP TABLE SJOIN7;

CREATE TABLE SJOIN7 AS

SELECT SBC\_AVG.state, SBC\_AVG.bc\_avg\_score, SJOIN6.emr\_avg\_score, SJOIN6.sci\_avg\_score, SJOIN6.asth\_avg\_score, SJOIN6.hf\_avg\_score, SJOIN6.sc\_avg\_score, SJOIN6.pneu\_avg\_score, SJOIN6.prev\_avg\_score

FROM SBC\_AVG

INNER JOIN SJOIN6

ON SJOIN6.state = SBC\_AVG.state;

--combining SJOIN7 with Heart Attack or Chest Pain on average by state table.

DROP TABLE SJOIN8;

CREATE TABLE SJOIN8 AS

SELECT SHEART\_AVG.state, SHEART\_AVG.heart\_avg\_score, SJOIN7.emr\_avg\_score, SJOIN7.sci\_avg\_score, SJOIN7.asth\_avg\_score, SJOIN7.hf\_avg\_score, SJOIN7.sc\_avg\_score, SJOIN7.pneu\_avg\_score, SJOIN7.prev\_avg\_score, SJOIN7.BC\_avg\_score

FROM SHEART\_AVG

INNER JOIN SJOIN7

ON SJOIN7.state = SHEART\_AVG.state;

--combining SJOIN8 with Pregnancy and Delivery on average by state table.

DROP TABLE SJOIN9;

CREATE TABLE SJOIN9 AS

SELECT SPREG\_AVG.state, SPREG\_AVG.preg\_avg\_score, SJOIN8.emr\_avg\_score, SJOIN8.sci\_avg\_score, SJOIN8.asth\_avg\_score, SJOIN8.hf\_avg\_score, SJOIN8.sc\_avg\_score, SJOIN8.pneu\_avg\_score, SJOIN8.prev\_avg\_score, SJOIN8.BC\_avg\_score, SJOIN8.heart\_avg\_score

FROM SPREG\_AVG

INNER JOIN SJOIN8

ON SJOIN8.state = SPREG\_AVG.state;

--Rank table for the first five columns from SJOIN9

DROP TABLE STIME\_1ST5\_RANK;

CREATE TABLE STIME\_1ST5\_RANK AS

SELECT state,

RANK() OVER (ORDER BY emr\_avg\_score DESC) AS emr\_rank,

RANK() OVER (ORDER BY sci\_avg\_score DESC) AS sci\_rank,

RANK() OVER (ORDER BY asth\_avg\_score DESC) AS asth\_rank,

RANK() OVER (ORDER BY hf\_avg\_score DESC) AS hf\_rank,

RANK() OVER (ORDER BY sc\_avg\_score DESC) AS sc\_rank

FROM SJOIN9;

-- Rank table for the bottom five columns from SJOIN9

DROP TABLE STIME\_2ND5\_RANK;

CREATE TABLE STIME\_2ND5\_RANK AS

SELECT state,

RANK() OVER (ORDER BY pneu\_avg\_score DESC) AS pneu\_rank,

RANK() OVER (ORDER BY prev\_avg\_score DESC) AS prev\_rank,

RANK() OVER (ORDER BY BC\_avg\_score DESC) AS BC\_rank,

RANK() OVER (ORDER BY heart\_avg\_score DESC) AS heart\_rank,

RANK() OVER (ORDER BY preg\_avg\_score DESC) AS preg\_rank

FROM SJOIN9;

--Combining two tables and rank them.

DROP TABLE STIME\_EFEC\_TOT;

CREATE TABLE STIME\_EFEC\_TOT AS

SELECT STIME\_1ST5\_RANK.state, STIME\_1ST5\_RANK.emr\_rank, STIME\_1ST5\_RANK.sci\_rank, STIME\_1ST5\_RANK.asth\_rank, STIME\_1ST5\_RANK.hf\_rank, STIME\_1ST5\_RANK.sc\_rank, STIME\_2ND5\_RANK.pneu\_rank, STIME\_2ND5\_RANK.prev\_rank, STIME\_2ND5\_RANK.BC\_rank, STIME\_2ND5\_RANK.heart\_rank, STIME\_2ND5\_RANK.preg\_rank

FROM STIME\_1ST5\_RANK

INNER JOIN STIME\_2ND5\_RANK

ON STIME\_1ST5\_RANK.state = STIME\_2ND5\_RANK.state;

--getting the average score for all categories by states

DROP TABLE SEFFEC\_FIN;

CREATE TABLE SEFFEC\_FIN AS

SELECT state, emr\_rank, sci\_rank, asth\_rank, hf\_rank, sc\_rank, pneu\_rank, prev\_rank, BC\_rank, heart\_rank, preg\_rank,

(emr\_rank + sci\_rank + asth\_rank + hf\_rank + sc\_rank + pneu\_rank + prev\_rank + BC\_rank + heart\_rank + preg\_rank)/10 AS test\_avg

FROM STIME\_EFEC\_TOT

ORDER BY test\_avg ASC;

--getting the average scores for read\_death files by state

DROP TABLE SREAD\_AVG;

CREATE TABLE SREAD\_AVG AS

SELECT state, AVG(score) AS read\_avg\_score FROM ER\_read\_deaths

GROUP BY state

ORDER BY read\_avg\_score DESC;

--combing the rank table with the readmission and deaths table.

DROP TABLE SHOSP\_QUAL\_JOINS;

CREATE TABLE SHOSP\_QUAL\_JOINS AS

SELECT SEFFEC\_FIN.state, SEFFEC\_FIN.test\_avg, SREAD\_AVG.read\_avg\_score

FROM SEFFEC\_FIN

INNER JOIN SREAD\_AVG

ON SEFFEC\_FIN.state = SREAD\_AVG.state

ORDER BY SEFFEC\_FIN.test\_avg;

--list top 10 states

SELECT \* FROM SHOSP\_QUAL\_JOINS LIMIT 10;