**COVID 19 PROJECT (AWS)**

***Amazon S3 -> Crawler (Glue) -> Amazon Athena -> AWS Glue -> Amazon Redshift***

1. **Craw data covid from S3**  
     
   - Data from S3.  
   A picture containing text, screenshot, software, computer icon

   Description automatically generated  
     
   - Create crawler to get data from S3 into database.  
   A picture containing text, screenshot, software, computer icon

   Description automatically generated  
     
   - Connect database to show table.  
   A screenshot of a computer

   Description automatically generated
2. **Data model**
3. **DW**  
   A picture containing text, diagram, screenshot, plan

   Description automatically generated
4. **Connect to athena and query data**  
   A screenshot of a computer program

   Description automatically generated with low confidence  
   A screenshot of a computer program

   Description automatically generated with low confidence  
   A screenshot of a computer

   Description automatically generated with medium confidence
5. **ETL in python**  
   - Error column name.  
   A screenshot of a computer code

   Description automatically generated with low confidence  
     
   - Fix error.  
   A screenshot of a computer

   Description automatically generated  
     
     
     
     
   - Load FACT và DIM.  
   A screen shot of a computer

   Description automatically generated with low confidence  
     
   A screenshot of a computer

   Description automatically generated with medium confidence  
     
   A screenshot of a computer

   Description automatically generated with medium confidence  
     
   A picture containing text, font, line, screenshot

   Description automatically generated  
   A picture containing text, screenshot, font, number

   Description automatically generated
6. **Save data to S3**  
   A screenshot of a computer

   Description automatically generated with medium confidence
7. **Build tables on Redshift**  
   A screenshot of a computer

   Description automatically generated  
   A screenshot of a computer code

   Description automatically generated with low confidence  
   A screenshot of a computer code

   Description automatically generated with low confidence  
   A screenshot of a computer program

   Description automatically generated with medium confidence  
   A picture containing text, font, line, screenshot

   Description automatically generated  
   A picture containing text, font, screenshot, line

   Description automatically generated  
   A picture containing text, screenshot, font, number

   Description automatically generated  
   A screenshot of a computer program

   Description automatically generated with medium confidence  
   A screenshot of a computer code

   Description automatically generated with low confidence  
   A picture containing text, software, computer icon, web page

   Description automatically generated
8. **Copy data to Redshift**  
   A picture containing text, screenshot, font

   Description automatically generated  
   A screenshot of a computer program

   Description automatically generated with medium confidence  
     
   A picture containing text, screenshot, software, computer icon

   Description automatically generated
9. **Glue deployment**  
   A screenshot of a computer

   Description automatically generated