The data scientist performed the following tasks:

1. Executed the R script "preprocess.R" using the command "/usr/bin/Rscript" and "/usr/lib64/R/bin/R". The script was located in the root directory.
2. The script "preprocess.R" was read from the location "/home/pr/exp1/preprocess.R".
3. The data for preprocessing was read from the file "data.csv" located at "/home/pr/exp1/data.csv".
4. The preprocessed data was written to the file "temp_data.csv" located at "/home/pr/exp1/temp_data.csv".
5. The temporary files created during the preprocessing were removed using the command "/usr/bin/rm" with arguments "-Rf /tmp/RtmpjezpsK".
6. The Python script "train_model.py" was executed using Python 3 from the virtual environment located at "/home/pr/venv/bin/python3". The script was located at "/home/pr/exp1/train_model.py".
7. The script "train_model.py" read the preprocessed data from the file "temp_data.csv" located at "/home/pr/exp1/temp_data.csv".
8. The script "train_model.py" used several libraries from the virtual environment, including numpy and pandas, which were located at "/pr/venv/lib/python3.11/site-packages/".
9. The trained model was saved to the file "model.ckpt" located at "/home/pr/exp1/model.ckpt".