

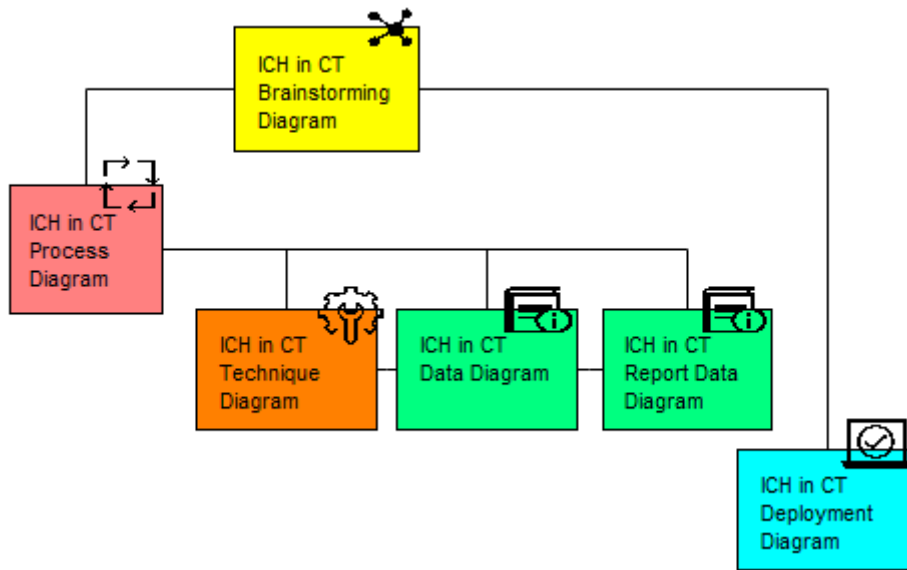
ICH in CT Brain Documentation Report

Filename:	ICH in CT Brain.doc
Status:	
Date:	4.10.2019
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Table of contents

ICH in CT Brain: Diagrams	3
ICH in CT Brain: Brainstorming	4
ICH in CT: Data	6
ICH in CT reports: Data	7
ICH in CT Brain: Deployment	8
ICH in CT: Process	9
ICH in CT: Technique.....	11

ICH in CT Brain: Diagrams



Brainstorming diagram name: ICH in CT Brainstorming Diagram

Diagram definition:

Data diagram name: ICH in CT Data Diagram

Diagram definition:

Data diagram name: ICH in CT Report Data Diagram

Diagram definition:

Deployment diagram name: ICH in CT Deployment Diagram

Diagram definition:

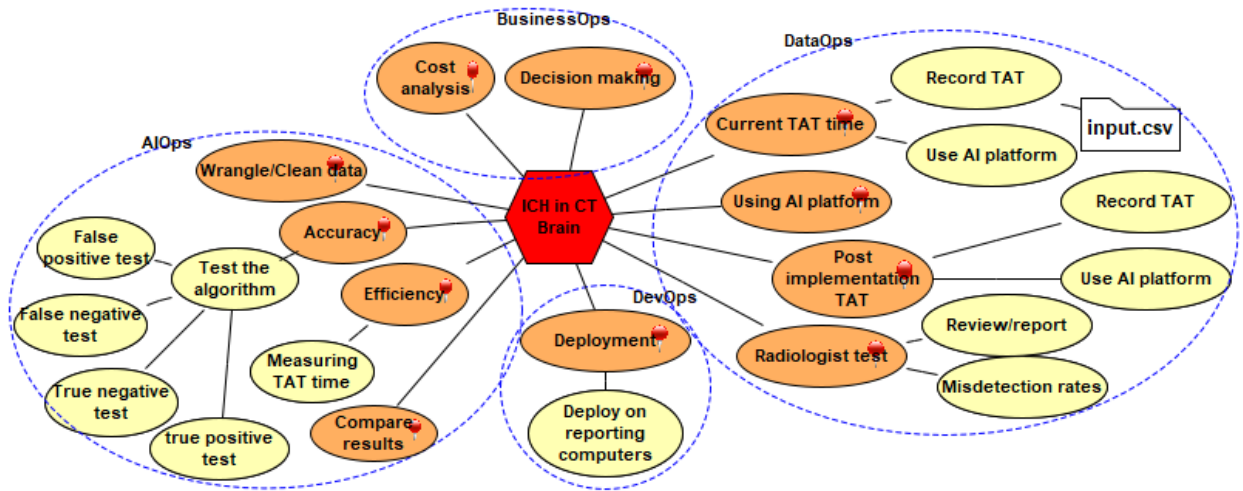
Process diagram name: ICH in CT Process Diagram

Diagram definition:

Technique diagram name: ICH in CT Technique Diagram

Diagram definition:

ICH in CT Brain: Brainstorming



Input file name: input.csv

Operation: AIOps

Operation: BusinessOps

Operation: DataOps

Operation: DevOps

Problem: ICH in CT Brain

Problem Definition: Intracranial hemorrhage (ICH) prediction through CT Scans

Task Name: Accuracy

Task definition:

Task Name: Compare results

Task definition: Comparing before and after TATs

Task Name: Cost analysis

Task definition: Cost of AI platform

Task Name: Current TAT time

Task definition: Look at the current turnaround time

Task Name: Decision making

Task definition: Whether to use the AI platform or not

Task Name: Deploy on reporting computers

Task definition: Deploy on reporting room computers

Task Name: Deployment

Task definition:

Task Name: Efficiency

Task definition:

Task Name: False negative test

Task definition:

Task Name: False positive test

Task definition:

Task Name: Measuring TAT time

Task definition:

Task Name: Misdetection rates

Task definition: Look ta misdetection rates

Task Name: Post implementation TAT

Task definition: Collecting TAT after using the AI platform

Task Name: Radiologist test

Task definition:

Task Name: Record TAT

Task definition: Record before and after TATs

Task Name: Record TAT

Task definition:

Task Name: Review/report

Task definition: looking at the reports

Task Name: Test the algorithm

Task definition:

Task Name: True negative test

Task definition:

Task Name: true positive test

Task definition: feeding true positives to the AI platform

Task Name: Use AI platform

Task definition:

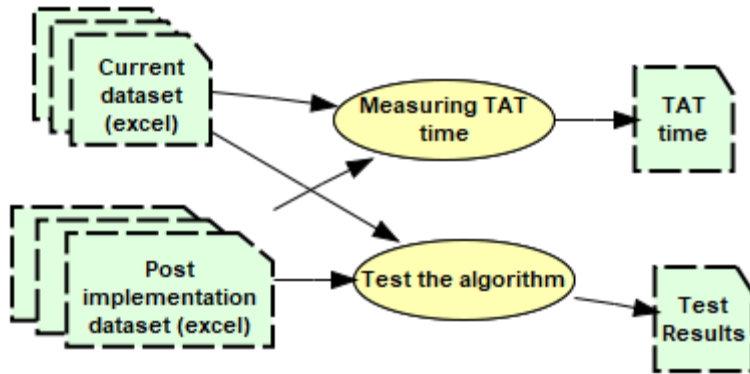
Task Name: Using AI platform

Task definition:

Task Name: Wrangle/Clean data

Task definition: Data might have some inconsistencies, missing values and anomalies that needs to be cleaned before further analysis

ICH in CT: Data



Data name: TAT time

Data name: Test Results

Multiple data name: Current dataset (excel)

Multiple data name: Post implementation dataset (excel)

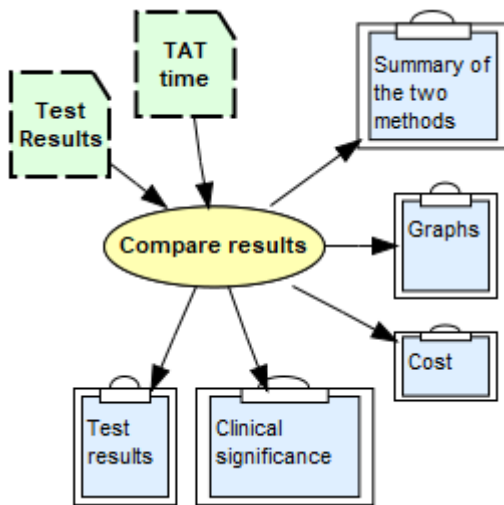
Task Name: Measuring TAT time

Task definition:

Task Name: Test the algorithm

Task definition:

ICH in CT reports: Data



Data name: TAT time

Data name: Test Results

Report name: Clinical significance

Report name: Cost

Report name: Graphs

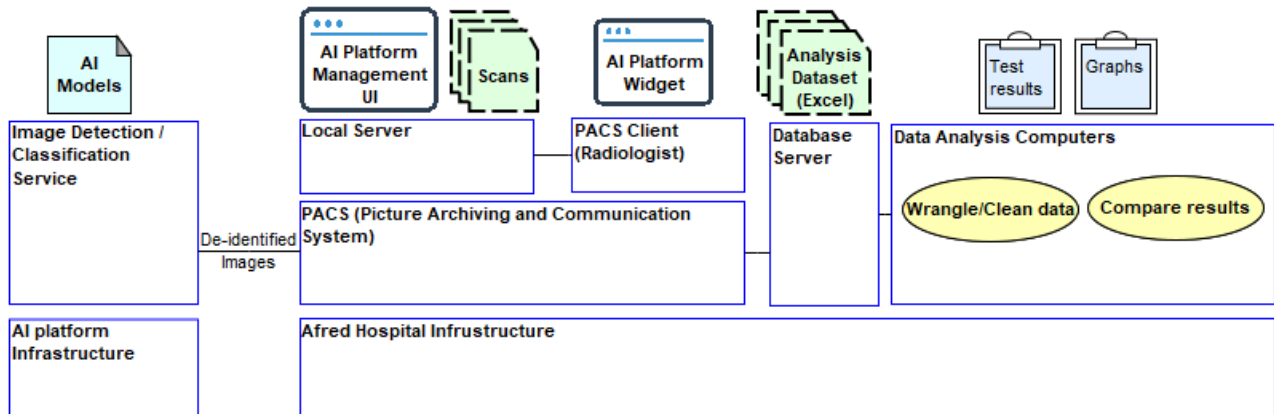
Report name: Summary of the two methods

Report name: Test results

Task Name: Compare results

Task definition:

ICH in CT Brain: Deployment



Application Name: AI Platform Management UI

Application Name: AI Platform Widget

Code file/Model name: AI Models

Component Name: Alfred Hospital Infrastructure

Component Name: AI platform Infrastructure

Component Name: Data Analysis Computers

Component Name: Database Server

Component Name: Image Detection / Classification Service

Component Name: Local Server

Component Name: PACS (Picture Archiving and Communication System)

Component Name: PACS Client (Radiologist)

Multiple data name: Analysis Dataset (Excel)

Multiple data name: Scans

Report name: Graphs

Report name: Test results

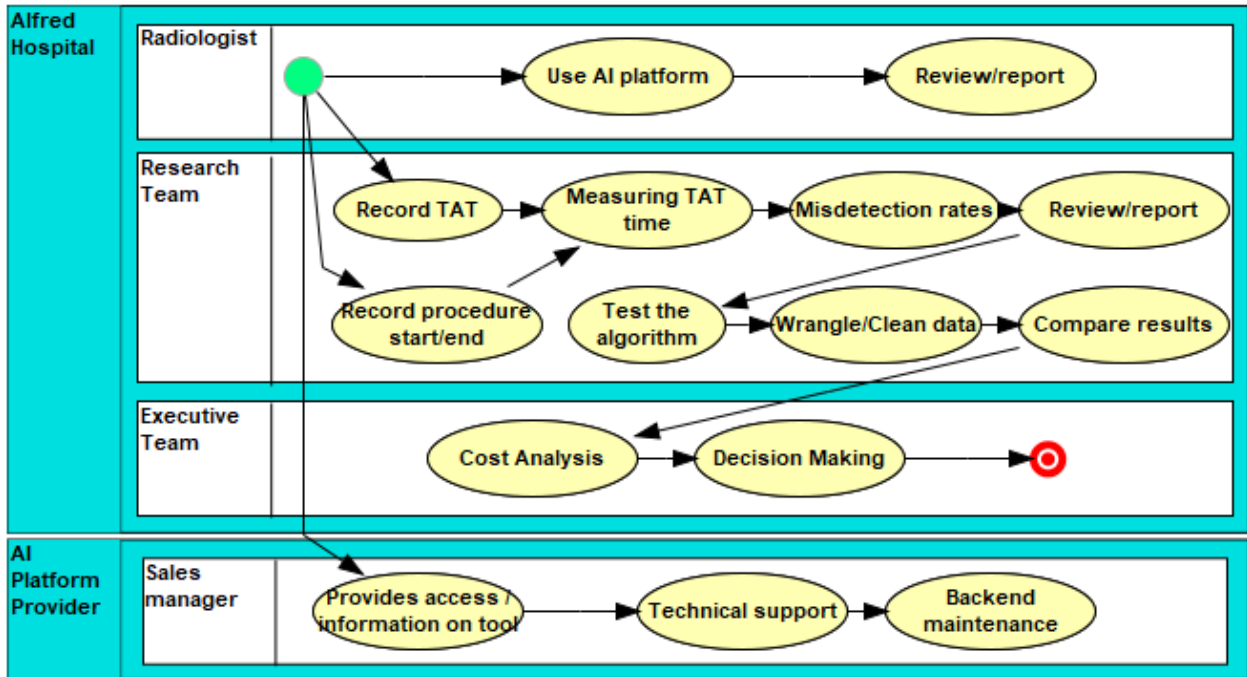
Task Name: Compare results

Task definition:

Task Name: Wrangle/Clean data

Task definition:

ICH in CT: Process



End:

Organization name: AI Platform Provider
Organization definition:

Organization name: Alfred Hospital
Organization definition:

Participant name: Executive Team
Participant definition:

Participant name: Radiologist
Participant definition:

Participant name: Research Team
Participant definition:

Participant name: Sales manager
Participant definition:

Start:

Task Name: Backend maintenance
Task definition:

Task Name: Compare results
Task definition:

Task Name: Cost Analysis

Task definition:

Task Name: Decision Making

Task definition:

Task Name: Measuring TAT time

Task definition:

Task Name: Misdetection rates

Task definition: Look at misdetection rates

Task Name: Provides access / information on tool

Task definition:

Task Name: Record procedure start/end

Task definition:

Task Name: Record TAT

Task definition: Record before and after TATs

Task Name: Review/report

Task definition: looking at the reports

Task Name: Review/report

Task definition: looking at the reports

Task Name: Technical support

Task definition:

Task Name: Test the algorithm

Task definition:

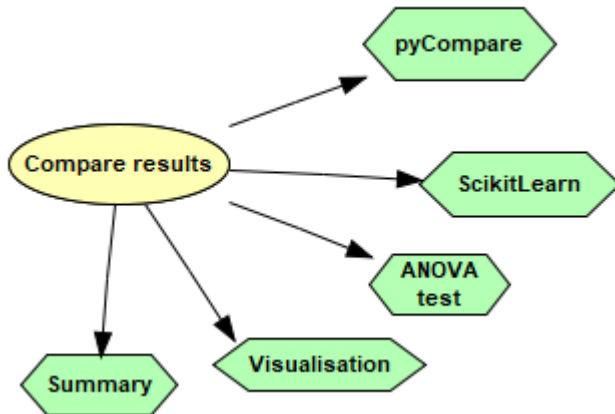
Task Name: Use AI platform

Task definition:

Task Name: Wrangle/Clean data

Task definition:

ICH in CT: Technique



Task Name: Compare results

Task definition: Comparing before and after TATs

Technique name: ANOVA test

Technique name: pyCompare

Technique name: ScikitLearn

Technique name: Summary

Technique name: Visualisation