Back to previous view [WIMNN-14] Prepare dataset for Recurrent NN Created: 27/Sep/19 Updated: 25/Feb/20 To Do **Status:** WIM Neural Network **Project:** Component/s: None **Affects Version/s:** None Fix Version/s: None Story **Priority:** Major Type: Bacik Zdenko Unassigned **Reporter: Assignee:** Unresolved **Resolution: Votes:** 0 **Labels:** None **Not Specified Remaining Estimate:** Not Specified **Σ** Remaining Estimate: Σ Time Spent: Not Specified Not Specified **Time Spent:** Not Specified Not Specified Σ Original Estimate: **Original Estimate: Sub-Tasks:** Key Summary Type **Status** Assignee WIMNN-128 Prepare dataset Sub-task To Do Tonhauzer Martin **Business Priority:** Should have **Story Points: Epic Link:** Collection **Sprint:** WIMNN Sprint 6 Description I would like to prepare the dataset in a proper format for network training from collected VDR. I would like to analyze the statistical attributes of the dataset. I would like to perform data sanity checking. **Acceptance criteria** • tool which can transform collected VDR records to usable dataset format • executable analysis of attributes Note The recommended script language is python3 **Prepare dataset for Recurrent NN** (WIMNN-14) [WIMNN-128] Prepare dataset Created: 25/Feb/20 Updated: 25/Feb/20 To Do **Status:** WIM Neural Network **Project:** Component/s: None **Affects Version/s:** None Fix Version/s: None Sub-task **Priority:** Major Type: Snincak Marek Tonhauzer Martin **Assignee: Reporter: Resolution:** Unresolved 0 **Votes: Labels:** None **Remaining Estimate:** Not Specified Not Specified **Time Spent:** Not Specified **Original Estimate:** [WIMNN-92] Create Recurent NN prototype Created: 21/Nov/19 Updated: 25/Feb/20 To Do **Status:** WIM Neural Network **Project:** Component/s: None **Affects Version/s:** None Fix Version/s: None Story **Priority:** Major Type: Bacik Zdenko Unassigned **Assignee: Reporter: Resolution:** Unresolved **Votes: Labels:** None **Remaining Estimate:** Σ Remaining Estimate: Not Specified Not Specified Not Specified **Time Spent:** Not Specified Σ Time Spent: Not Specified **Σ** Original Estimate: **Original Estimate:** Not Specified **Sub-Tasks:** Key Summary Type **Status** Assignee Sub-task Chreno Martin WIMNN-129 Create prototype To Do **Business Priority:** Should have **Story Points: Epic Link:** Processing **Sprint:** WIMNN Sprint 6 Description *Goal: * Create a prototype of a neural network that is possible to train with a prepared dataset. As an input of NN will be a set of data generated by the MLP neural network. As an output of NN will be vehicle weight. Refer to the document https://drive.google.com/open?id=1F8INNRdY1MkDQrjpNwGxWiSnhZkzYWBG **Acceptance criteria:** • prototype of NN which is possible to take data from MLP neural network learn and learn on a prepared dataset • output is a document describing results. 0 0 0 **Create Recurent NN prototype** (WIMNN-92) [WIMNN-129] Create prototype Created: 25/Feb/20 Updated: 25/Feb/20 To Do **Status:** WIM Neural Network **Project:** Component/s: None **Affects Version/s:** None Fix Version/s: None Sub-task **Priority:** Major Type: **Reporter:** Snincak Marek **Assignee:** Chreno Martin **Resolution:** Unresolved **Votes: Labels:** None **Remaining Estimate:** Not Specified **Time Spent:** Not Specified **Original Estimate:** Not Specified 0 0 0 [WIMNN-86] Stream FPT data from device Created: 19/Nov/19 Updated: 25/Feb/20 To Do **Status:** WIM Neural Network **Project: Component/s:** None **Affects Version/s:** None Fix Version/s: None Story **Priority:** Major Type: Tonhauzer Martin **Assignee:** Unassigned **Reporter: Resolution:** Unresolved **Votes:** 0 **Labels:** None Σ Remaining Estimate: Not Specified **Remaining Estimate:** Not Specified Not Specified **Time Spent:** Not Specified Σ Time Spent: **Original Estimate:** Σ Original Estimate: Not Specified Not Specified **Sub-Tasks:** Key Summary Type **Status** Assignee WIMNN-130 Implement Sub-task To Do Lazovy Stefan **Business Priority:** Should have **Story Points: Epic Link:** Processing WIMNN Sprint 6 **Sprint:** Description I would like to implement a stream of FPT data from VehicleSeparation module. Use WS. **Acceptance criteria:** • Implementation of FPT stream data. 0 0 0 Stream FPT data from device (WIMNN-86) [WIMNN-130] Implement Created: 25/Feb/20 Updated: 25/Feb/20 To Do **Status:** WIM Neural Network **Project:** Component/s: None **Affects Version/s:** None Fix Version/s: None Sub-task **Priority:** Major Type: Lazovy Stefan Snincak Marek **Reporter: Assignee:** Unresolved **Resolution: Votes:** 0 **Labels:** None Not Specified **Remaining Estimate:** Not Specified **Time Spent:** Not Specified **Original Estimate:** 0 0 0 [WIMNN-100] React: Drag'n'drop functionality on site setup Created: 25/Nov/19 Updated: 25/Feb/20 To Do **Status: Project:** WIM Neural Network Component/s: None **Affects Version/s:** None Fix Version/s: None Major Type: Story **Priority:** Bacik Zdenko **Reporter: Assignee:** Unassigned **Resolution:** Unresolved **Votes:** 0 **Labels:** None Σ Remaining Estimate: **Not Specified Remaining Estimate:** Not Specified **Not Specified** Not Specified Σ Time Spent: **Time Spent:** Σ Original Estimate: Not Specified **Original Estimate:** Not Specified **Sub-Tasks:** Key Type Summary **Status** Assignee Sub-task Scipa Christian WIMNN-131 Implement (cooperative task) To Do Implement (cooperative task) Snincak Marek WIMNN-132 Sub-task To Do **Business Priority:** Should have **Story Points: REACT Epic Link:** WIMNN Sprint 6 **Sprint:** Description I would like to implement drag'n'draw functionality in the Layout Setup. Only "Data Logger Sensors" could be possible to move. Consider implementation difficulty to move sensor between lanes. See Layout setup: http://192.168.197.50/ui/site-setup. **Acceptance criteria:** • It is possible to drag'n'drop presence sensor component and move them with Layout Setup • number values on the right screen will be updated accordingly (unit rate has to be preserved) **React: Drag'n'drop functionality on site setup** (WIMNN-100) [WIMNN-131] Implement (cooperative task) Created: 25/Feb/20 Updated: 25/Feb/20 To Do **Status:** WIM Neural Network **Project: Component/s**: None **Affects Version/s:** None Fix Version/s: None Sub-task **Priority:** Major Type: Snincak Marek Scipa Christian **Reporter: Assignee: Resolution:** Unresolved 0 **Votes: Labels:** None **Remaining Estimate:** Not Specified **Not Specified Time Spent: Original Estimate:** Not Specified 0 0 0 React: Drag'n'drop functionality on site setup (WIMNN-100) [WIMNN-132] Implement (cooperative task) Created: 25/Feb/20 Updated: 25/Feb/20 To Do **Status:** WIM Neural Network **Project:** Component/s: None **Affects Version/s:** None Fix Version/s: None Sub-task **Priority:** Major Type: Snincak Marek **Reporter: Assignee:** Snincak Marek **Resolution:** Unresolved **Votes: Labels:** None Not Specified **Remaining Estimate: Time Spent:** Not Specified **Original Estimate:** Not Specified [WIMNN-125] Process FPT data on a server Created: 25/Feb/20 Updated: 25/Feb/20 Status: To Do WIM Neural Network **Project:** Component/s: None **Affects Version/s:** None Fix Version/s: None Story Major **Priority:** Type: Snincak Marek **Assignee: Reporter:** Unassigned **Resolution:** Unresolved **Votes:** None **Labels: Remaining Estimate:** Σ Remaining Estimate: Not Specified Not Specified Not Specified Not Specified **Time Spent:** Σ Time Spent: Not Specified **Original Estimate:** Σ Original Estimate: Not Specified **Sub-Tasks:** Key Summary Type **Status** Assignee WIMNN-133 Implement Sub-task To Do Benova Lenka **Business Priority:** Should have **Story Points: Epic Link:** Processing WIMNN Sprint 6 **Sprint:** Description I would like to be able to receive data on the server (WS in python i.e. https://pypi.org/project/websocket_client/). The server should process data and prepare the correct format for the input of MLP NN. We already have data processing from VDR record (https://git.kistler.com/wimnn-tp/vdr-parser) which should be adjusted to new input data - VS module output format. **Acceptance criteria:** • Receive data on the server • Process data and prepare it for MLP Neural network input **Process FPT data on a server** (WIMNN-125) [WIMNN-133] Implement Created: 25/Feb/20 Updated: 25/Feb/20 To Do **Status:** WIM Neural Network **Project:** Component/s: None **Affects Version/s:** None Fix Version/s: None Sub-task **Priority:** Major Type: Snincak Marek Benova Lenka **Reporter: Assignee: Resolution:** Unresolved **Votes: Labels:** None **Remaining Estimate:** Not Specified Not Specified **Time Spent:** Not Specified **Original Estimate:** [WIMNN-124] React: Analyze possibility of dynamic pictogram generation Created: 25/Feb/20 Updated: 25/Feb/20 To Do **Status:** WIM Neural Network **Project:** Component/s: None **Affects Version/s:** None Fix Version/s: None Story Major Type: **Priority:** Snincak Marek **Reporter: Assignee:** Unassigned **Resolution:** Unresolved **Votes: Labels:** None **Σ** Remaining Estimate: Not Specified **Remaining Estimate:** Not Specified Σ Time Spent: Not Specified **Time Spent:** Not Specified **Original Estimate:** Not Specified Σ Original Estimate: Not Specified **Sub-Tasks:** Key Type Status Summary Assignee Valastin Viktor WIMNN-127 Analyze Sub-task To Do **Business Priority:** Should have **Story Points: Epic Link:** REACT **Sprint:** WIMNN Sprint 6 Description Analyze possibility to generate pictogram based on string representing vehicle ("row_base_string"). "name":"4 axle truck w/ 2 axle trailer", "type":"V22A11ch", "axles_tires":"SSDDDD", "row_base_string":"@*~_@******@**@****---~**@*** /run/media/mmcblk0p1/wimdl/classification/classification_library.json TODO - Bacik Zdenko add row_base_string characters description React: Analyze possibility of dynamic pictogram generation (WIMNN-124) [WIMNN-127] Analyze Created: 25/Feb/20 Updated: 25/Feb/20 **Status:** To Do **Project:** WIM Neural Network Component/s: None **Affects Version/s:** None **Fix Version/s:** None Sub-task **Priority:** Major Type: Snincak Marek Valastin Viktor **Reporter: Assignee: Resolution:** Unresolved **Votes: Labels:** None **Remaining Estimate:** Not Specified **Time Spent:** Not Specified **Original Estimate:** Not Specified 4 6 6

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