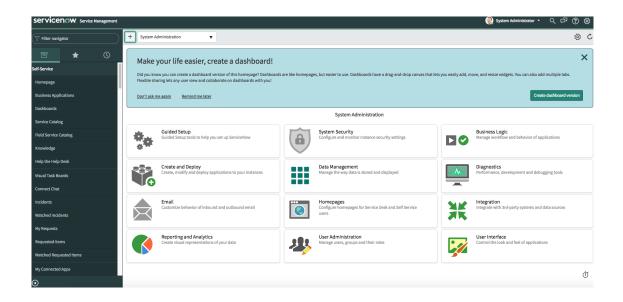
Empower agents to solve customer issues faster with machine learning

Exercise 3: Configure Agent Intelligence for Case Classification

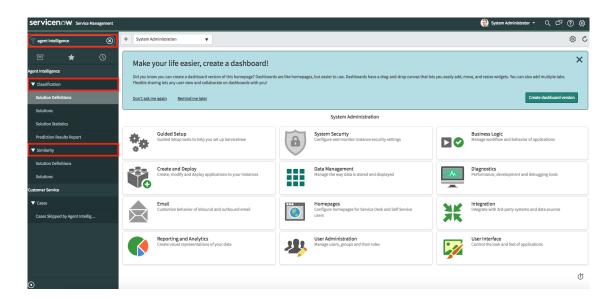
Exercise Goal

Learn how to view the ML solution definition and interpret results.

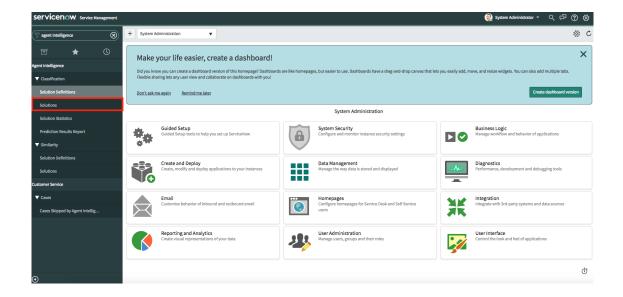
1. **Get Ready** Login to your lab instance as admin.



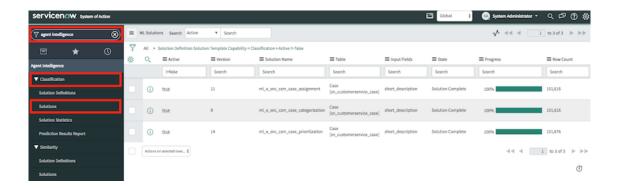
2. **Search for Agent Intelligence**: In the filter navigator, search for *Agent Intelligence*. You will see the two out of the box solutions - Classification and Similarity. Each provides you the ability to create new solution definitions, view existing solutions, and analyze prediction results.



3. View Classification Solutions: Under Classification, click on Solutions.



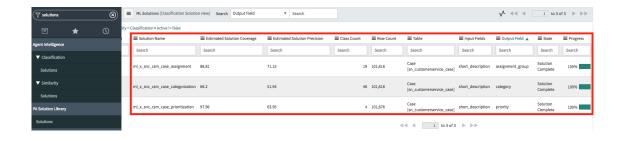
4. **Review available ML Solutions**: Ungroup the Output field to view the 3 out of the box ML Classification solutions that are based on Case table -- one each for case categorization, prioritization, and assignment.



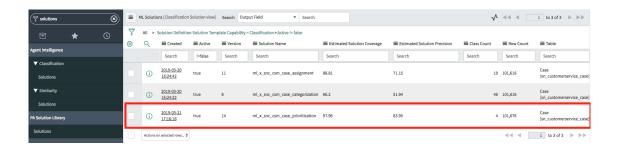
5. **Review Solution Summary**: The ML Solutions Classification Solution View displays the Estimated Solution Coverage, Estimated Solution Precision, table used, input fields, output fields, progress and more.

The **Solution Coverage** is the aggregate percentage of records that receive a prediction. For example, a coverage of 50 means half of all eligible records actually receive a prediction.

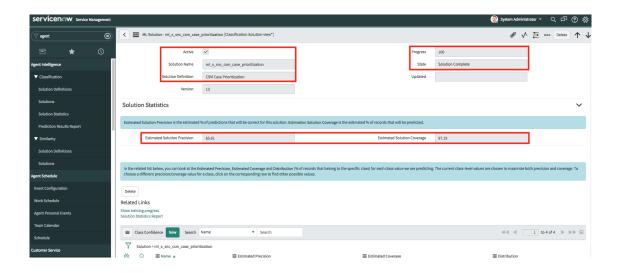
The **Solution Precision** is the aggregate percentage of correct predictions. For example, a precision of 50 means that out of 100 predictions, half of them should have the correct value.



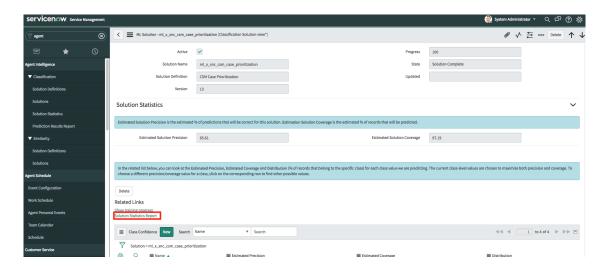
6. Review ML Solution: Click on the solution for case prioritization.



7. **Review ML Solution details**: Review details of the prioritization ML solution. Out of the box, the case prioritization model predicts the Priority field from the Short Description.

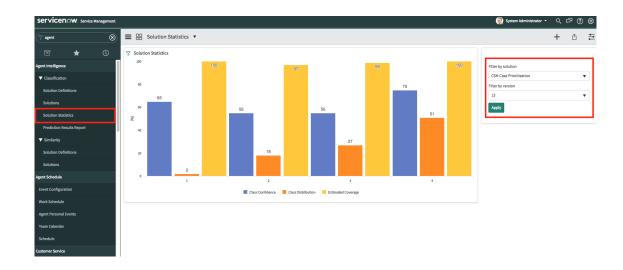


8. **Show Solution Statistics Report**: Navigate to Related Records and click on Solution Statistics Report

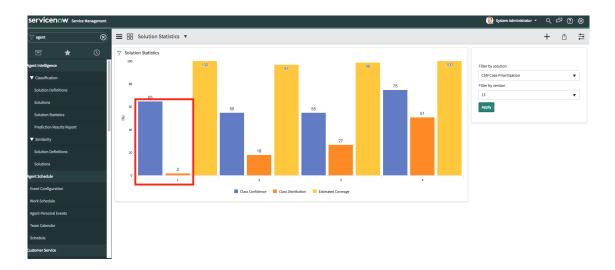


9. **Review Solution Statistics Report**: From *Filter by Solution*, select the CSM Case Prioritization to to review statistics for the prioritization solution. From **Filter by Version**, select the latest version. Click on Apply. The system will update the dashboard based on the filters selected.

Note: The horizontal axis shows the Priority values.



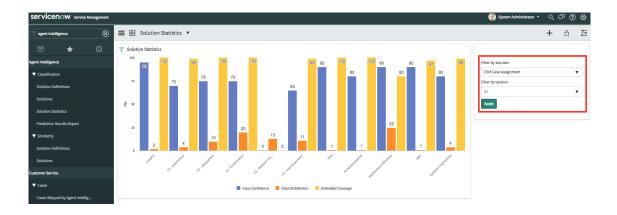
10. **Identify next actions**: In a real world scenario, you would use these insights to identify classes with unwanted combinations of precision, coverage, and distribution values. For example, you can identify classes (Case Priority) that have low precision or coverage but a high distribution. You can also identify any missing classes (case categories) you want the model to include.



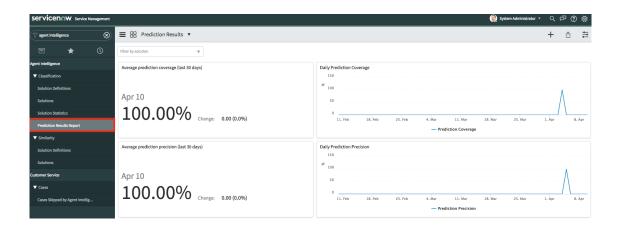
11. **Modify Solution Statistics Filters**: From *Filter by solution*, select the CSM Case Categorization to review statistics for the categorization solution. From **Filter by version**, select the latest version. Click on Apply. The system will update the dashboard based on the filters selected. Note: the horizontal axis shows the categories.



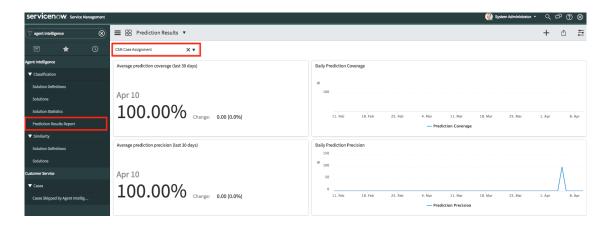
12. **Modify Solution Statistics Filters**: From *Filter by solution*, select the CSM Case Assignment to review statistics for the assignment solution. From **Filter by version**, select the latest version. Click on Apply. The system will update the dashboard based on the filters selected. Note: the horizontal axis shows the assignment groups.



13. **Navigate to Prediction Results Dashboard**: Navigate to Prediction Results dashboard to determine if solution predictions are improving over time and to identify solutions that require filter changes or retraining.



14. **Navigate to Prediction Results Dashboard**. Filter by *CSM Case Assignment* and review how the prediction results have changed over time. Modify this filter to *CSM Case Prediction* and *CSM Case Categorization* to review the prediction results of those solutions.



15. Interpret the Prediction Results:

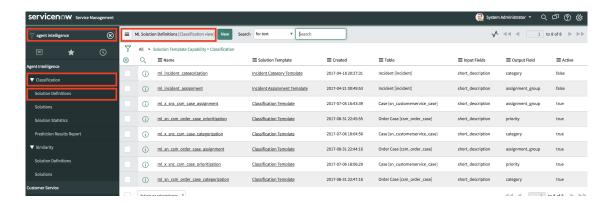
Average Prediction Coverage (last 30 days): Shows the average prediction coverage of a solution for the last 30 days. The value represents the percentage of predictions that yielded an outcome out of the total number of predictions attempted. Click the coverage score to see a breakdown by class.

Daily Prediction Coverage: Shows the daily prediction coverage of a solution. The value represents the percentage of records created on a given day where the solution was able to predict an outcome.

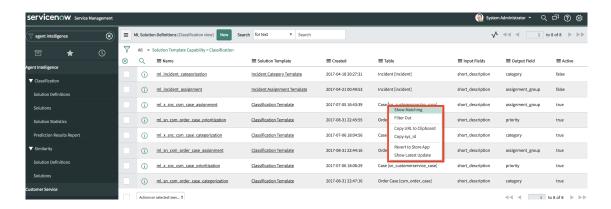
Average Prediction Precision (last 30 days): Shows the average prediction precision of a solution for the last 30 days. The value represents the percentage of predictions where the predicted value was the same as the final value of the field when the record closed. Click the precision score to see a breakdown by class.

Daily Prediction Precision: Shows the daily prediction precision of a solution. The value represents the percentage of records closed on a given day where the predicted field value was the same as the final value.

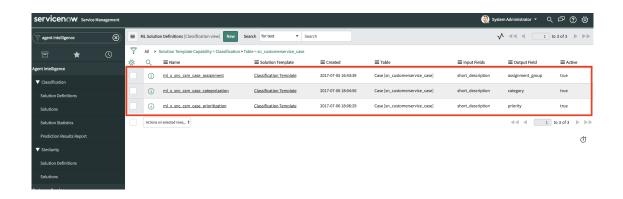
16. **Review Solution Definitions**: Lets review the out of the box solution definitions for the case classification models. Click on *Solution Definitions* under *Classification*.



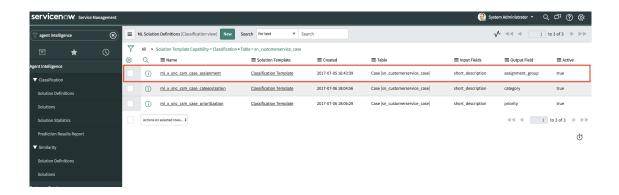
17. **Focus on Case Classification Models**: Right click on Case to only show Case related Classification models.



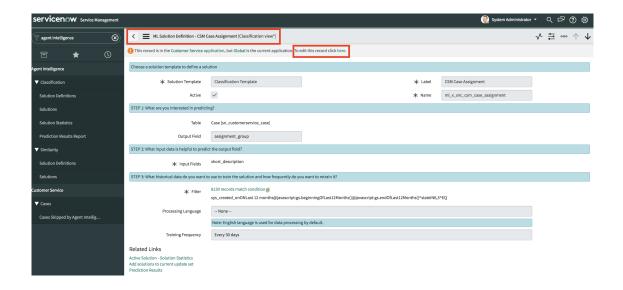
18. **View Case Classification Solution Definitions**: You will see 3 out of the box machine learning solution definitions for case categorization, prioritization, and assignment.



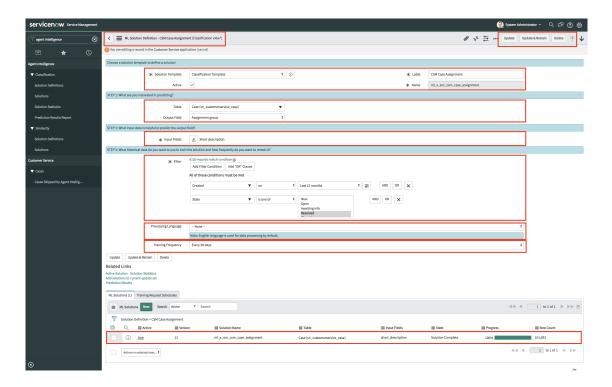
19. **Case Assignment Solution Definition**: Click on the Case Assignment solution definition.



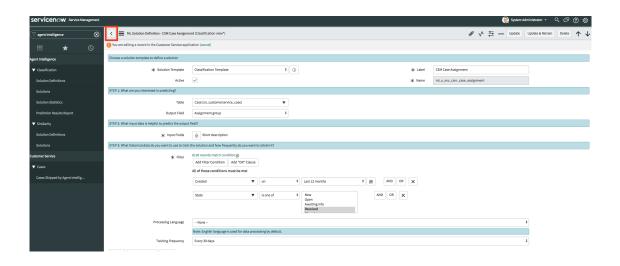
20. **Edit Case Assignment Solution Definition**: Click on *to edit this record, click here* to edit this record.



21. **Review Case Assignment Solution Definition**: Lets review the different fields and what they mean. Click on Solution Template, Table, Output Field, Processing Language, and Training Frequency. **Note**: We will not update any values in this lab. If you had made updates, you can save the solution definition and click *Update and Train* to retrain the model using the new definition.

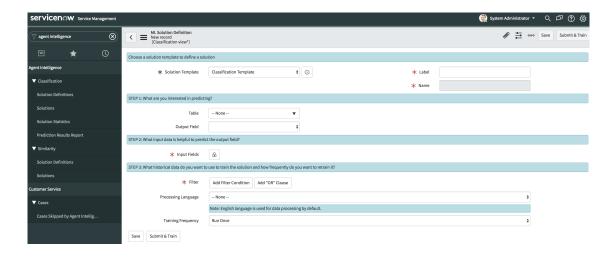


22. **Go Back to Solution Definition**: Click on < to go back to the Solution Definitions.



23. **Create New Solution Definition**: Click on *New* to create a new solution definition. Use the existing solution definition as a guide to create your own. Click Save to save the solution definition.

Note: We won't use this solution definition in the lab so feel free to experiment.



24. **Summary**: In this exercise, we learnt how to configure Agent Intelligence for Classification.