cb-04-szymanskirprecision_and_recall_for_best_performing_model_analysis

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1 Important

make predictions has to be run before any cell in this notebook.

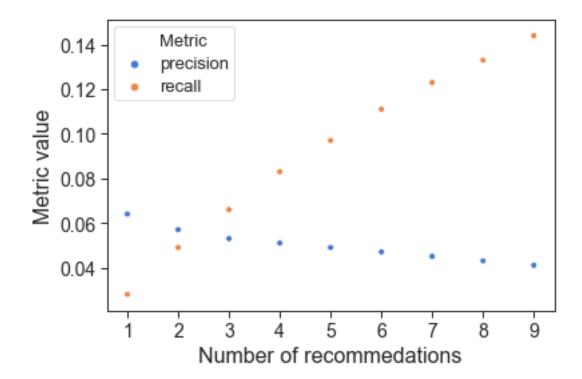
2 Imports

3 Visualization settings

4 Analysis

The goal of this notebook is to visualize the precision and recall scores against the amount of recommended books and find the optimal amount of books. Only the best perfoming content-based model will be considered – the tag based model.

```
In [6]: ax = sns.scatterplot(x='book-number', y='Metric value', hue='Metric',data=df_scores)
ax.set_xlabel('Number of recommedations')
ax.xaxis.set_major_locator(MaxNLocator(integer=True))
plt.setp(ax.get_legend().get_texts(), fontsize='13') # for legend text
plt.setp(ax.get_legend().get_title(), fontsize='13') # for legend title
ax.get_figure().savefig('cb-tag-precision-recall-plot.pdf', bbox_inches='tight')
```



In [7]: ax.get_figure().savefig('cb-tag-precision-recall-plot.pdf')