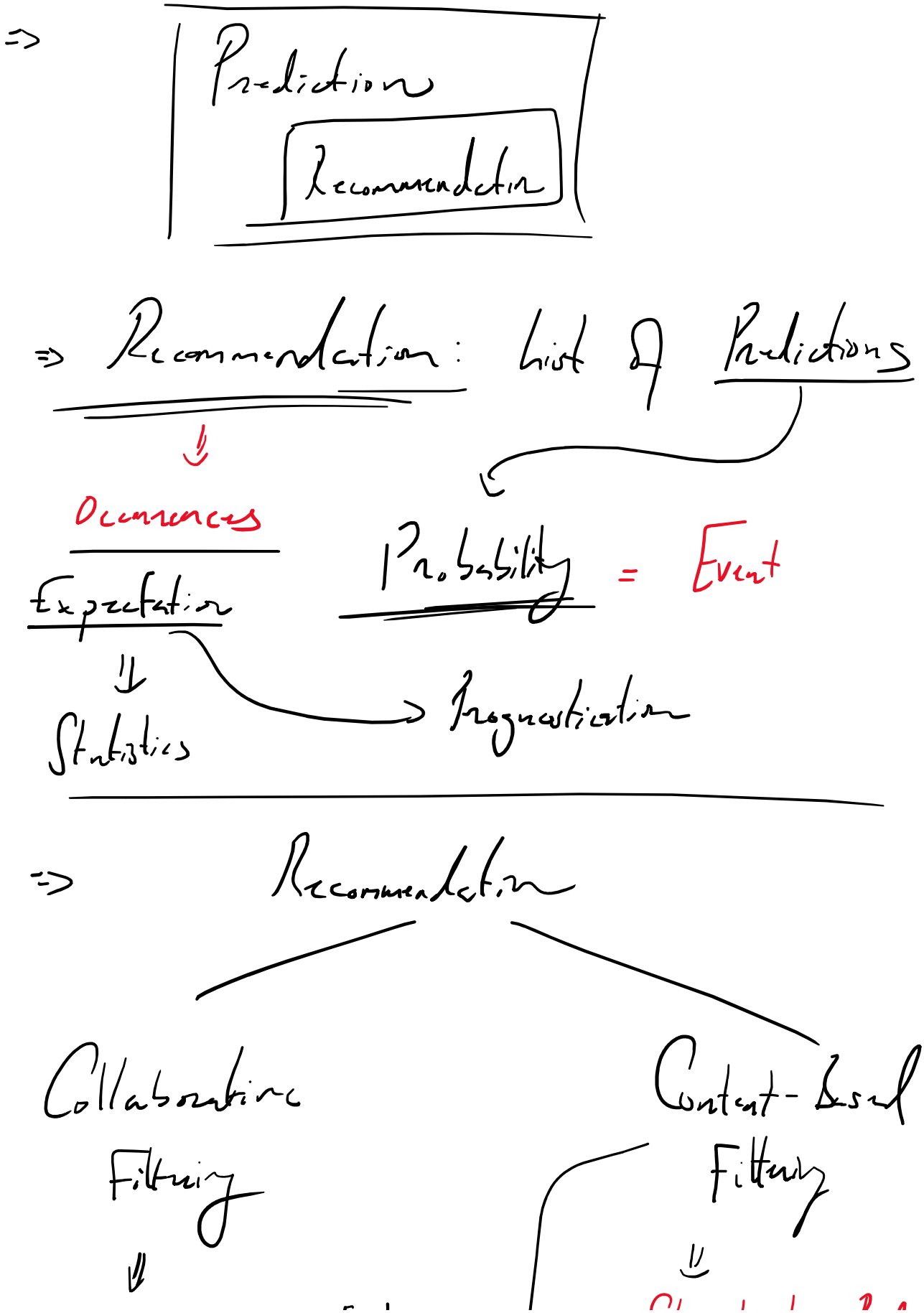
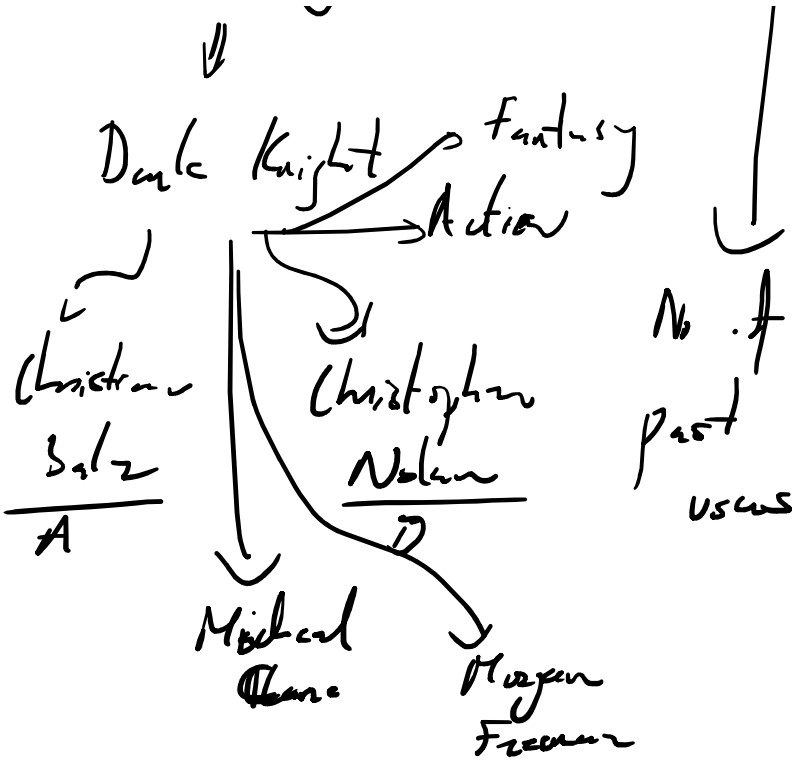
06-01-2026 - Apply architecture modeling for Collaborative Filtering.

06 January 2026 10:29





Shawshank Redemption
Godfather
Godfather II
12 Angry Men
Dark Knight

⇒ User-Based Nearest Neighbor Recommendation.

	I1	I2	I3	I4
Alice	5	3	4	4
Bob	3	1	2	3
chris	4	3	4	3

⇒ Pearson's Corr-Coeff:

$$sim(a,b) = \frac{\sum_{p \in P}(r_{a,p} - \overline{r_a})(r_{b,p} - \overline{r_b})}{}$$

$$\sqrt{\sum_{p \in P} (r_{a,p} - \bar{r}_a)^2} \sqrt{\sum_{p \in P} (r_{b,p} - \bar{r}_b)^2}$$

p - Selected Single Product ; P - List of all products

r - Recommendation $\bar{r}$ - Average Recommendations