

Social Affinity Features

ISAF

ASAF (Page)

User-Item

| | link-like-incoming X_1 | link-like-outgoing X_2 | | video-tag-outgoing X_{22} | Friend liked X_{23} | | Big Bang Theory X_1 | Facebook X_2 | Shakira X_2 | | ANU CECS X_{k-1} | I Love Canberra X_k | | Like / Dislike ? Y |
|------------|-----------------------------|-----------------------------|-----|--------------------------------|--------------------------|--|--------------------------|-------------------|------------------|--|-----------------------|--------------------------|--|-------------------------|
| u_1, i_5 | 1 | 0 | | 0 | 1 | | 0 | 0 | 1 | | 0 | 0 | | 1 |
| u_1, i_8 | 0 | 0 | | 1 | 0 | | 0 | 0 | 0 | | 0 | 0 | | 0 |
| u_2, i_5 | 1 | 1 | ... | 0 | 1 | | 0 | 1 | 0 | | 1 | 1 | | 1 |
| u_2, i_7 | 0 | 1 | | 1 | 0 | | 1 | 0 | 0 | | 1 | 0 | | 1 |
| | | | ... | | | | | | | | | | | |
| u_m, i_n | 0 | 0 | | 1 | 0 | | 0 | 0 | 1 | | 0 | 0 | | 0 |