

VIRAK, Stavanger 2019



VISUELL NAVIGASJON GJENNOM ET NETTVERK AV EMNEORD

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Tone Gadmar
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UiO : Universitetsbiblioteket i Oslo
Realfagsbiblioteket

OVERSIKT

Innledning

Bakgrunn

Konsept og prototype

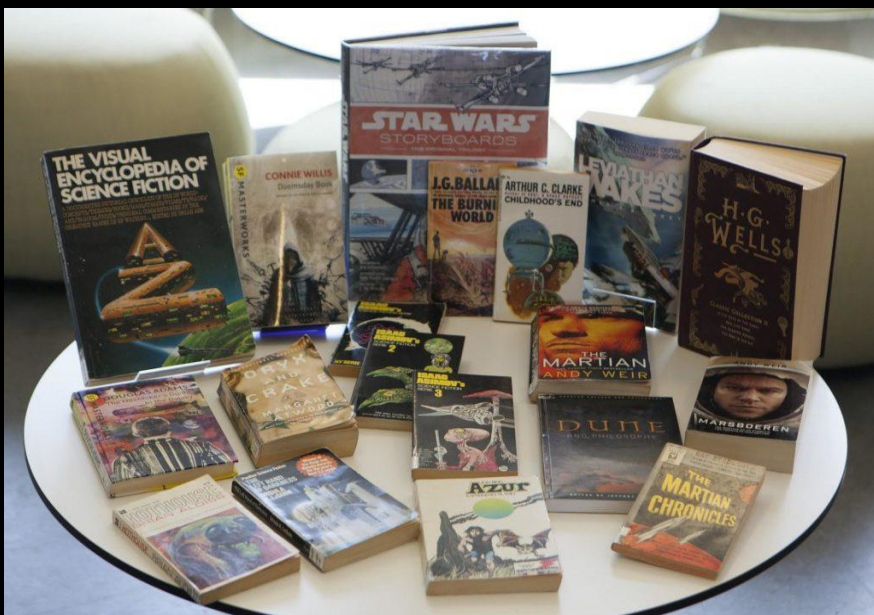
Veien videre

Spørsmål?

INNLEDNING

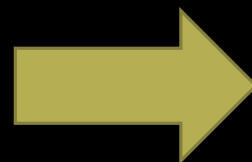
Fra samling til berørings skjerm

Materiale



Metadata

Emneord
Katalog
Eksterne kilder



Visualisering og navigering



BAKGRUNN



En stor science
fiction-samling på
10 000 bøker

BAKGRUNN



Fusion : The Energy of the Universe

Garry McCracken and Peter Stott

Fusion: The Energy of the Universe, is an essential reference providing basic principles of fusion energy from its history to the issues and realities progressing from the present day energy crisis. The book provides detailed developments and applications for researchers entering the field of fusion energy research. This second edition includes the latest results from the National Ignition Facility at the Lawrence Radiation Laboratory at Livermore, CA, and the progress on the International Thermonuclear Experimental Reactor (ITER) tokamak programme at Cadarache, France. Comprehensive coverage- basic principles, detailed developments and practical applications. Wide accessibility, but with sufficient detail to keep the technical reader engaged.

Erfaring med å utvikle ulike app'er for å interagere med samlingene våre

BAKGRUNN

Et berøringsbord og en berørings skjerm



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The screenshot shows a web browser window with the URL <https://app.uio.no/ub/emnesok/realfagstermer/search?lang=nb&uri=http:%2F%2Fdata.uio.no%2Frealgstermer%2Fc003514>. The page title is "Emnesøk : Realfagstermer". A search bar contains the text "Termodynamikk" and a dropdown menu shows suggestions: "Termodynamikk" (highlighted), "Termodynamikk : Ikke-likevekt", and "Alle bibliotek". Below the search bar, there are several search results, each with a book cover, title, author, and publication information. The results include:

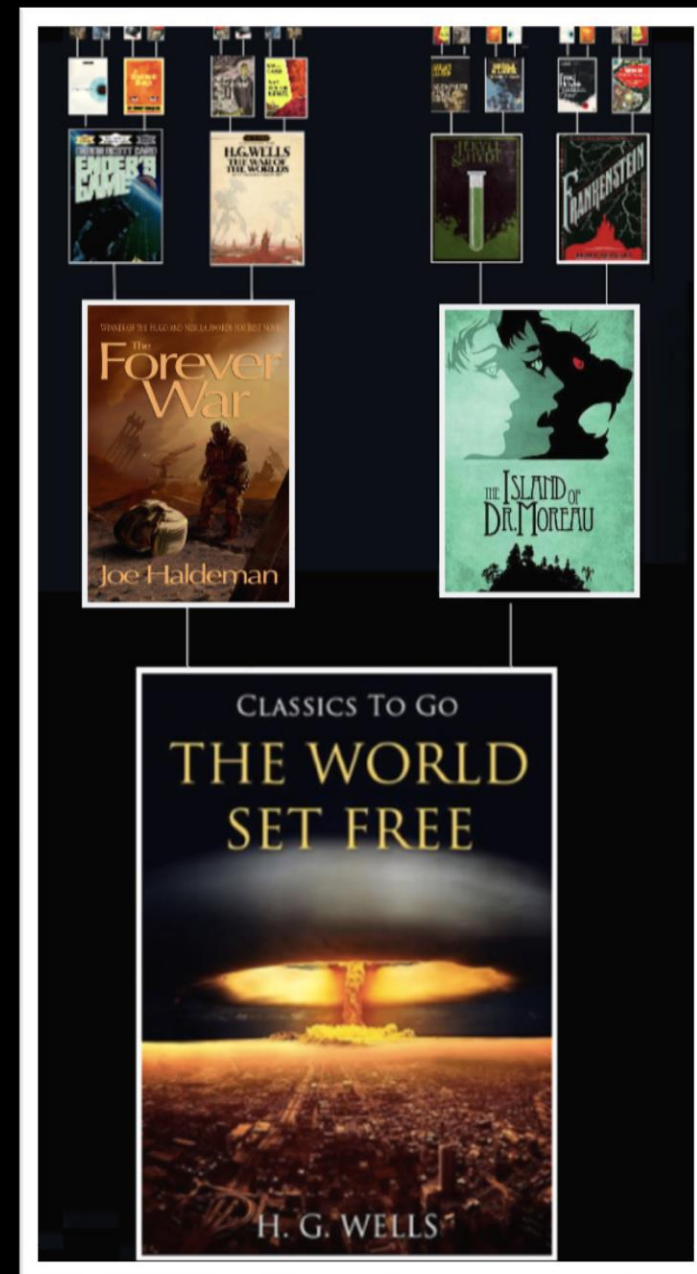
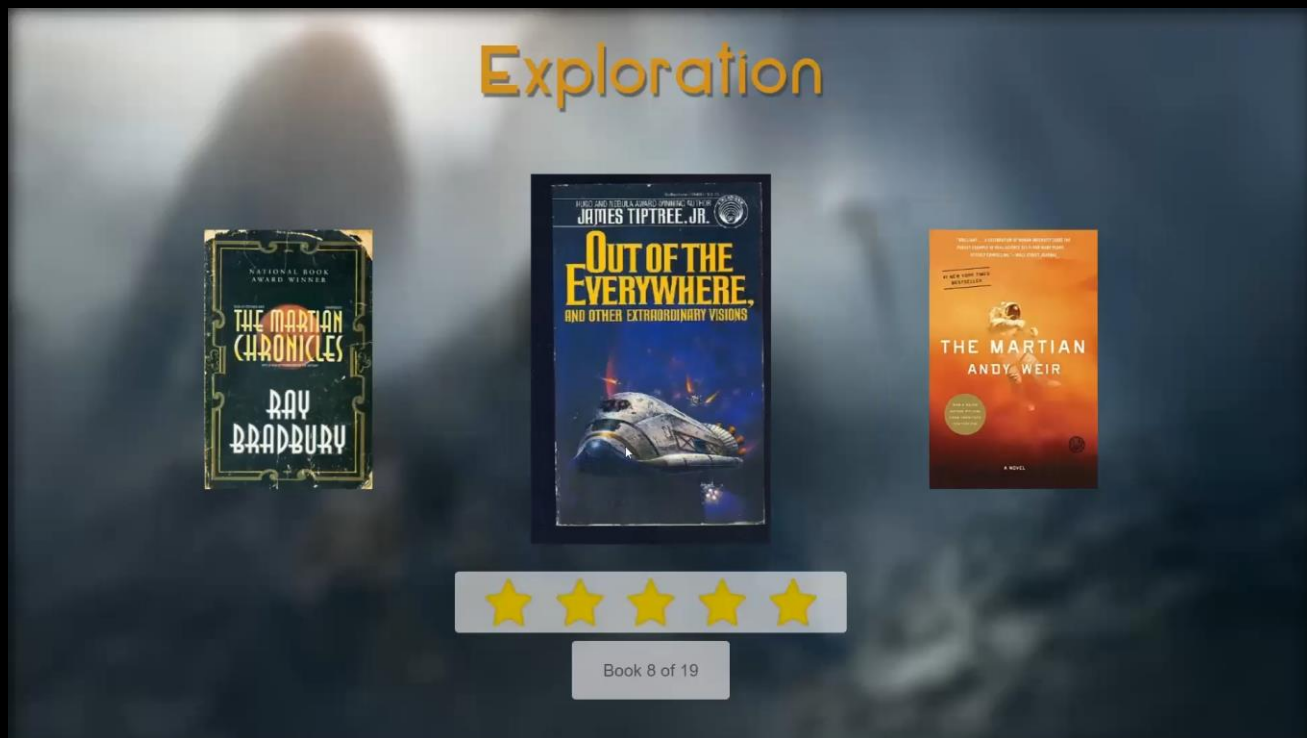
- Anxiety and the equation : understanding Boltzmann's Entropy** (The MIT Press 2018) by Johnson, Eric. Trykt utgave ved UiO. Entropi, Termodynamikk, Biografier. 530.092
- Modern thermodynamics for chemists and biochemists** (Oxford University Press, Second edition. 2018) by Sherwood, Dennis. Trykt utgave ved UiB. Termodynamikk. 541.369024572
- The origin of natural order : an axiomatic theory of biology** (World Scientific 2018) by Zhao, Qinyi. Trykt utgave ved UiO. Termodynamikk, Biofysikk, Proteinstrukturer, Proteinfolding. 571.4
- Thermodynamics : fundamentals and engineering applications** (Cambridge University Press 2018) by Reynolds, William C. Trykt utgave ved UiB. Ingeniørmatematikk, Termodynamikk, Lærebøker. 536.7
- The physics of energy** (Cambridge University Press 2018) by Jaffe, Robert L. Trykt kopi ved UiO og 2 andre bibliotek. Fysikk, Energi, Energioverføring, Termodynamikk, Lærebøker. 531.6, 530
- Hydration thermodynamics of oxides : effects of defect associations** (University of Oslo, Faculty of Mathematics and Natural Sciences, Department of Chemistry 2017)

On the right side of the page, there is a detailed entry for "Termodynamikk". It includes a definition: "Brukt for: Klassisk termodynamikk • Termodynamiske data • Varmelære". It also lists related terms in English, Nynorsk, and Norwegian, and provides a list of "Underordnet" (subordinate) terms such as "Termodynamikk : Historie", "Termodynamikk : Læreplaner", "Termodynamikk : Håndbøker", "Termodynamikk : Oppslagsverk", "Termodynamikk : Ikke-likevekt", "Termodynamikk : Tabeller", "Termodynamikk : Oppgavesamlinger", "Termodynamikk : Ordbøker", and "Termodynamikk : Lærebøker". A "Meld fra om problem" link is also present. Below this, there is a paragraph explaining that thermodynamics is a branch of physics developed in the 18th century, and a list of "Related concepts in other vocabularies" with links to external resources like Wikidata.

Lokalt emneordssystem

KONSEPT OG PROTOTYPE

Ulike visualiseringstyper. Kan de slås sammen?



KONSEPT OG PROTOTYPE

Slik at vi kan få dette?

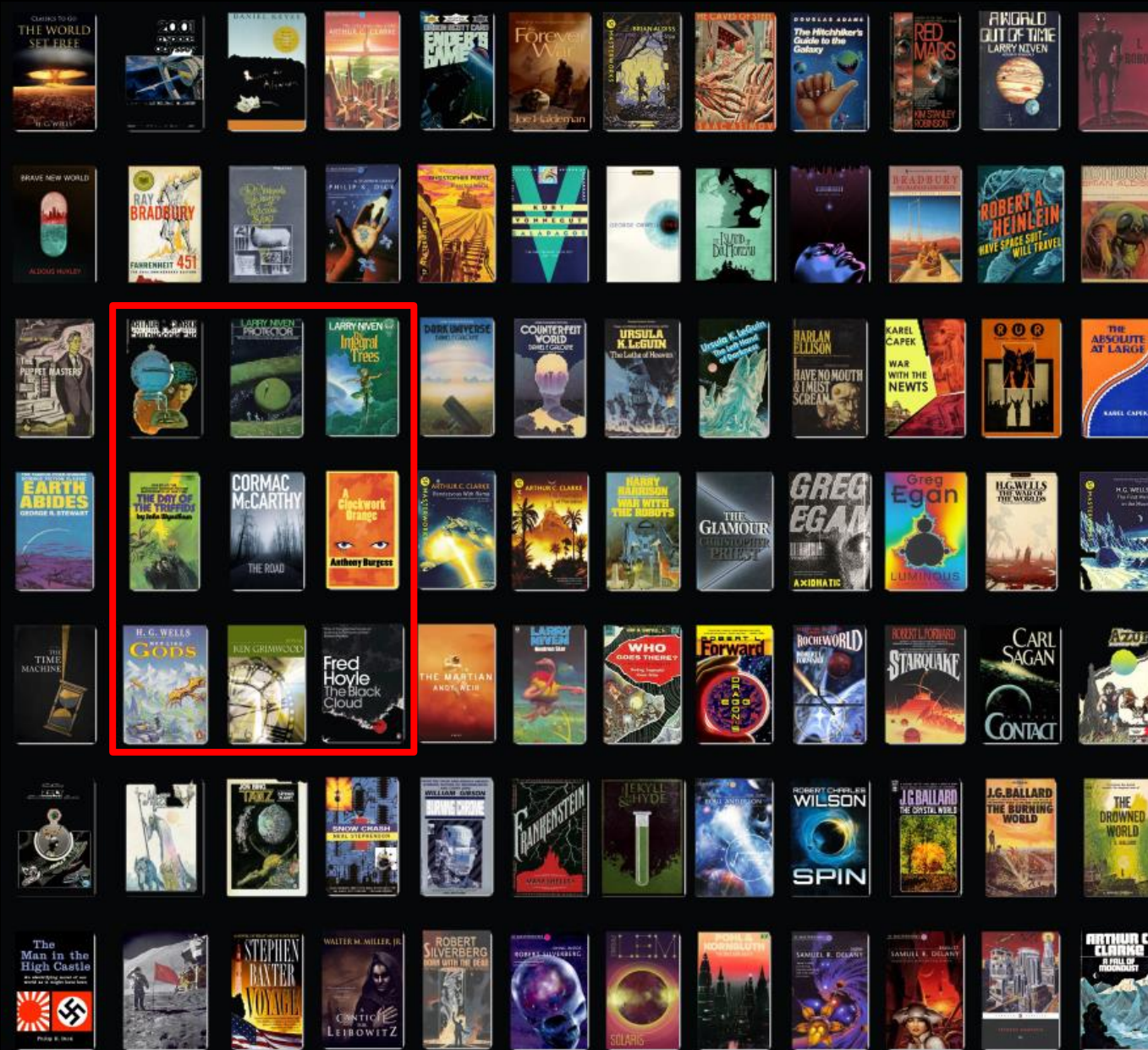


Og dette?



KONSEPT OG PROTOTYPE

Brukeren ser bare 9 bøker om gangen



KONSEPT OG PROTOTYPE

Brukeren ser bare 9 bøker om gangen

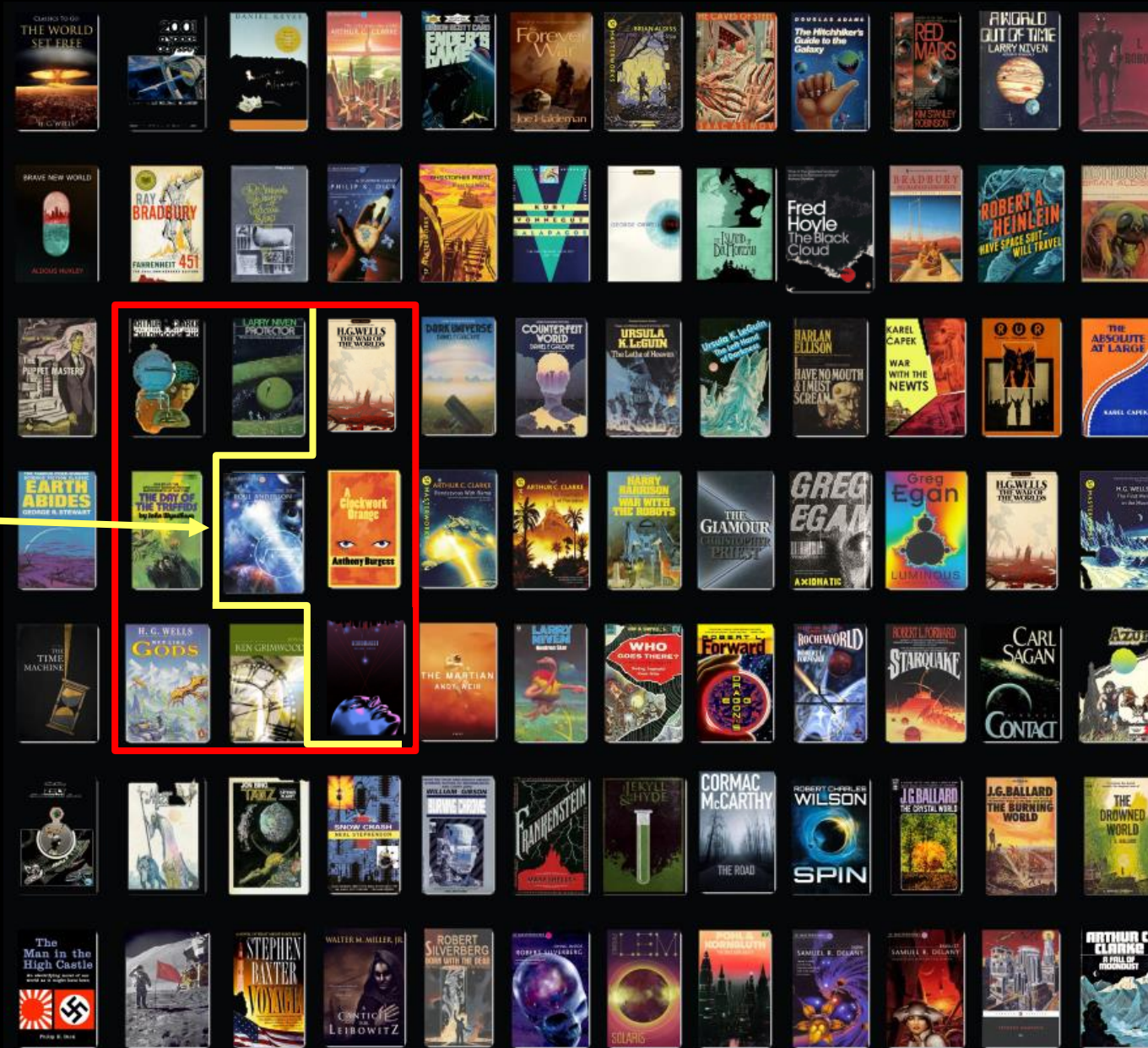
Og de færreste bøkene brukeren er interessert i vil være synlige om gangen

De er mest sannsynligvis spredd tilfeldig i samlingen



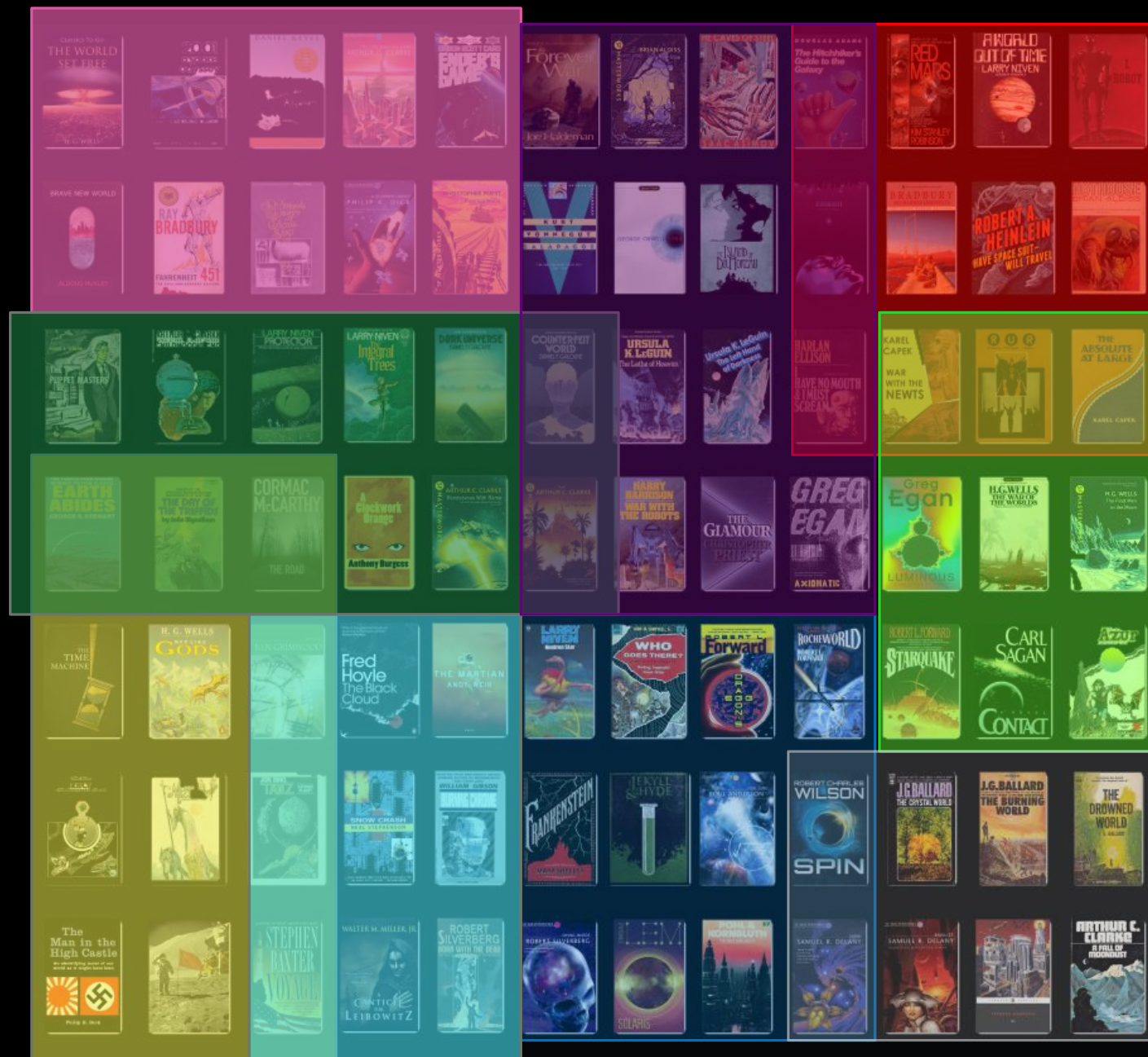
KONSEPT OG PROTOTYPE

Hvis disse kunne samles hadde det vært behjelpelig for brukeren!



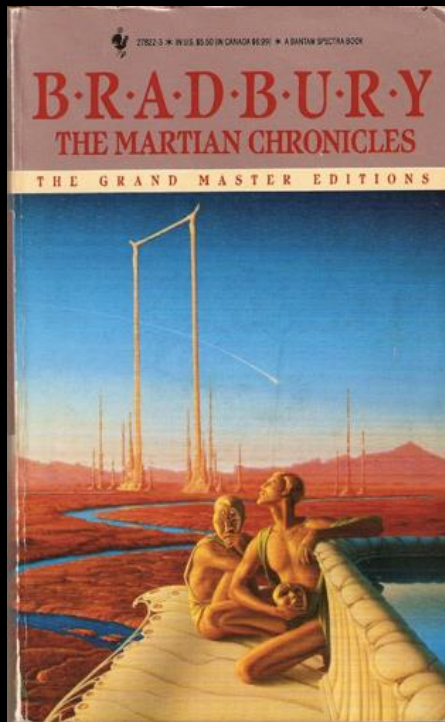
KONSEPT OG PROTOTYPE

Hvis bøkene kan grupperes på en hensiktsmessig måte, kan brukeren lettere finne de som er av interesse



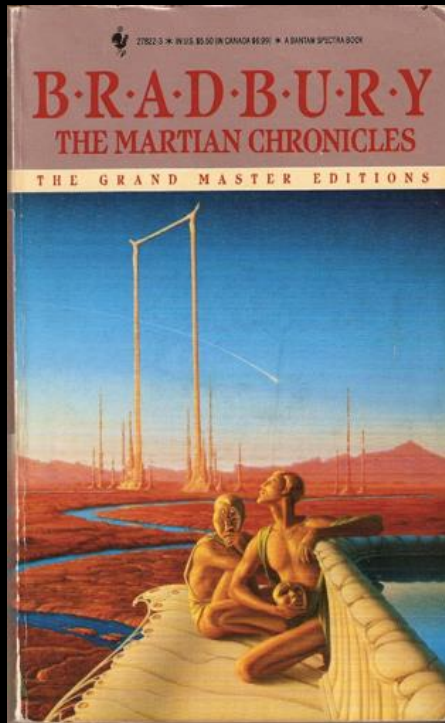
KONSEPT OG PROTOTYPE

Hvordan bygges dette lappeteppet opp?



KONSEPT OG PROTOTYPE

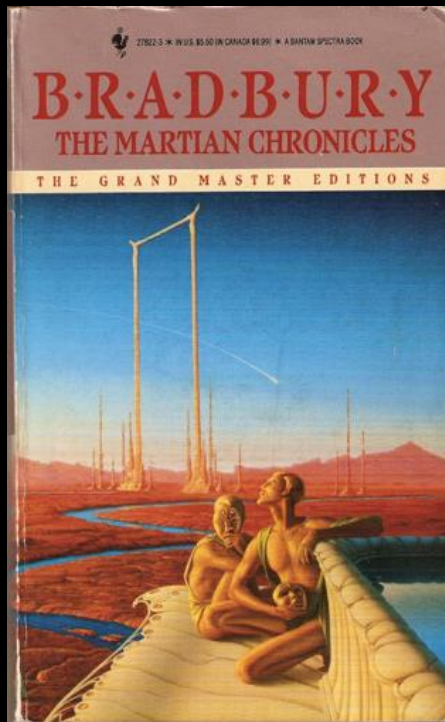
Hvordan bygges dette lappeteppet opp?



- Mars

KONSEPT OG PROTOTYPE

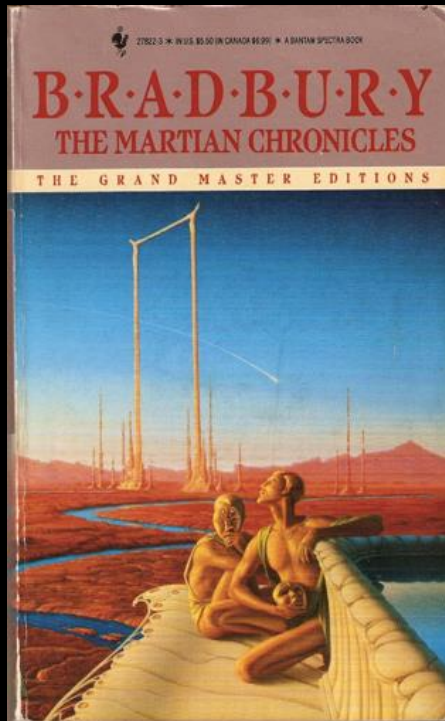
Hvordan bygges dette lappeteppet opp?



- Mars
- Extraterrestrial Civilizations

KONSEPT OG PROTOTYPE

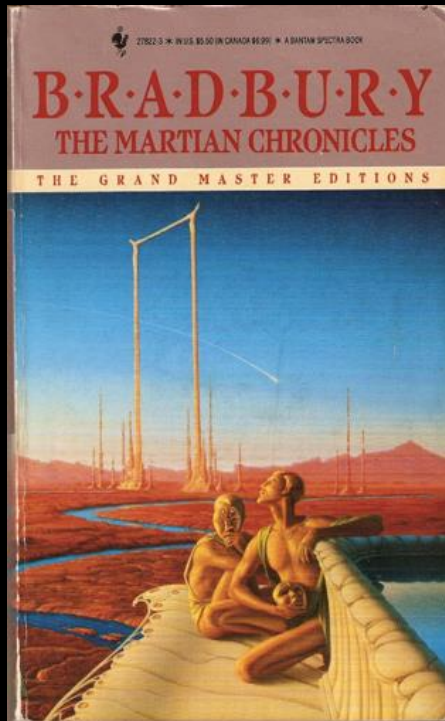
Hvordan bygges dette lappeteppet opp?



- Mars
- Extraterrestrial Civilizations
- Extraterrestrial Worlds

KONSEPT OG PROTOTYPE

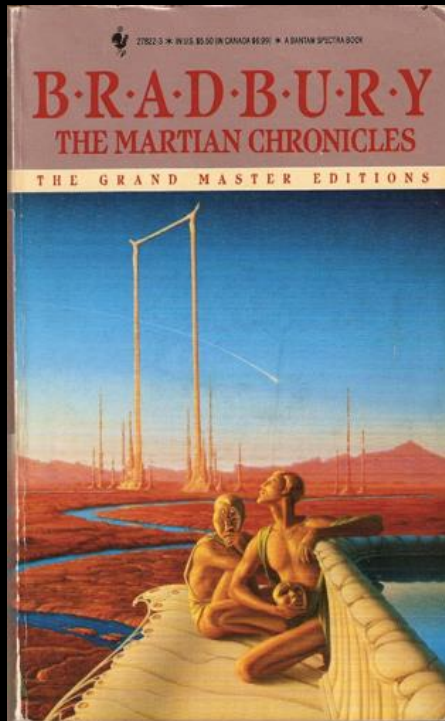
Hvordan bygges dette lappeteppet opp?



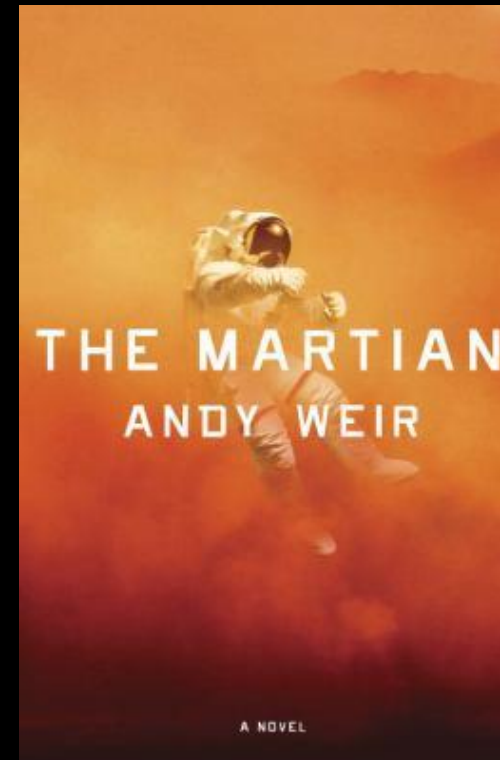
- Mars
- Extraterrestrial Civilizations
- Extraterrestrial Worlds
- Extraterrestrial Contact

KONSEPT OG PROTOTYPE

Hvordan bygges dette lappeteppet opp?



- Mars
- Extraterrestrial Civilizations
- Extraterrestrial Worlds
- Extraterrestrial Contact



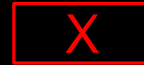
- Mars
- Future Engineering
- Mathematics

KONSEPT OG PROTOTYPE

Hvordan bygges dette lappeteppet opp?



- Mars
- Future Engineering
- Mathematics



KONSEPT OG PROTOTYPE

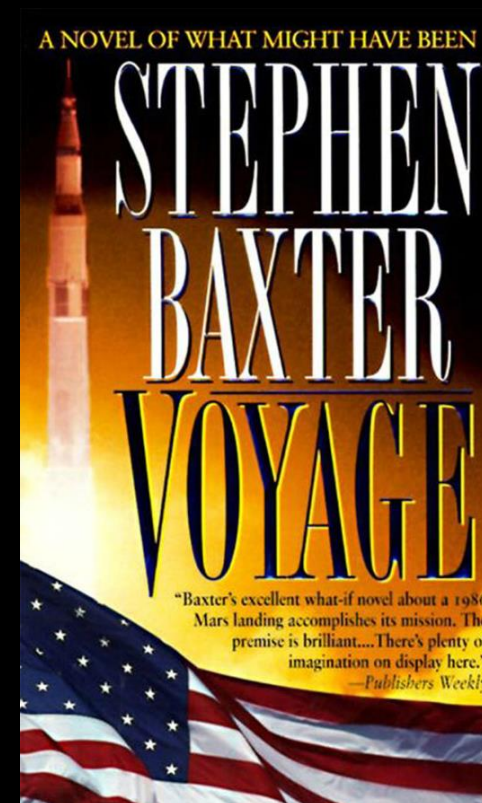
Hvordan bygges dette lappeteppet opp?



- Mars
- Future Engineering
- Mathematics

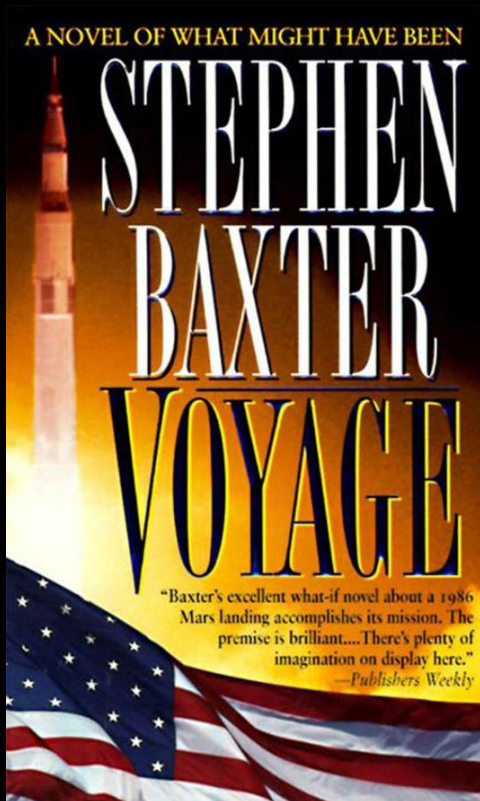


- Alternate Reality
- Mars



KONSEPT OG PROTOTYPE

Hvordan bygges dette lappeteppet opp?



- Alternate Reality
- Mars



The Man in the High Castle

An electrifying novel of our world as it might have been

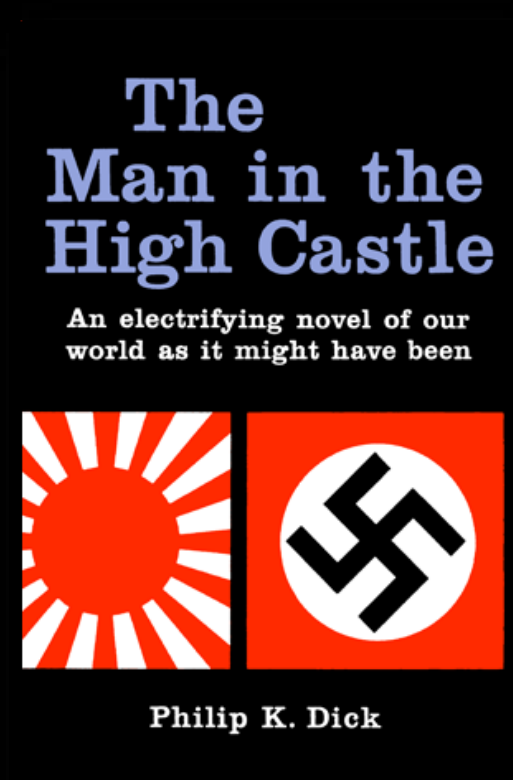


Philip K. Dick

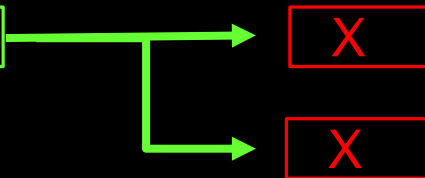
- Alternate Reality
- Dystopia

KONSEPT OG PROTOTYPE

Hvordan bygges dette lappeteppet opp?



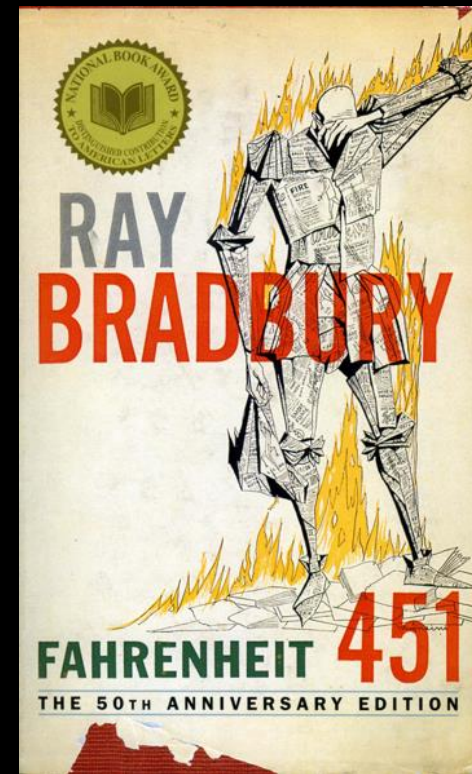
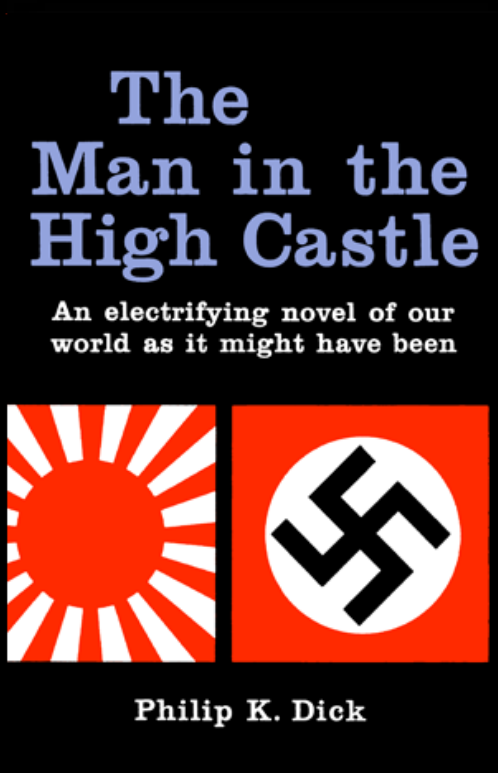
- Alternate Reality
- Dystopia



KONSEPT OG PROTOTYPE

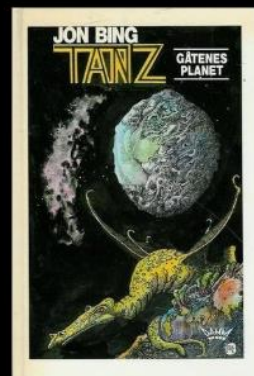
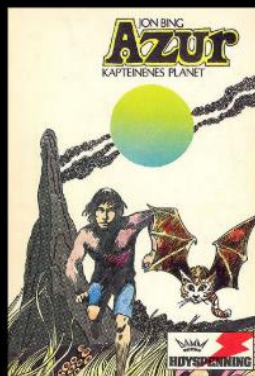
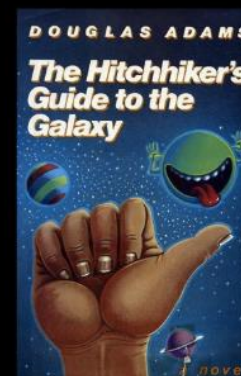
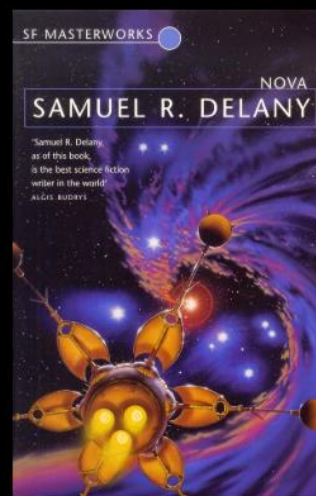
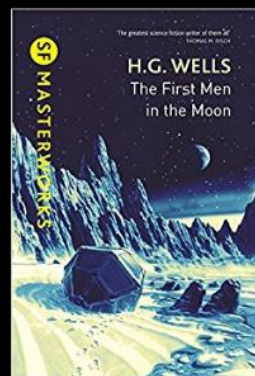
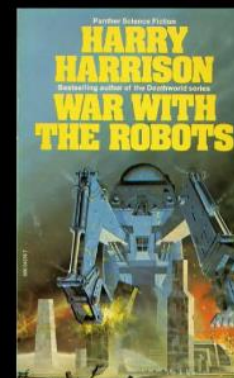
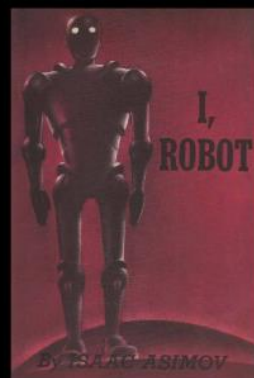
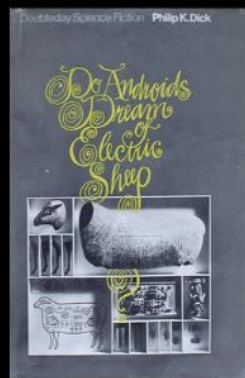
Hvordan bygges dette lappeteppet opp?

- Alternate Reality
- Dystopia
- Dystopia
- Surveillance
- Future Societies



KONSEPT OG PROTOTYPE

Horisontal retning
representerer tettere
koblinger enn
vertikale.



KONSEPT OG PROTOTYPE

Hvor kommer metadataene fra?

De settes inn i et Google regneark fra to ulike kilder:

- Alma (katalogen vår):
 - Tittel, år, forfatter, etc
 - Hylleplassering
 - Utlånsstatus

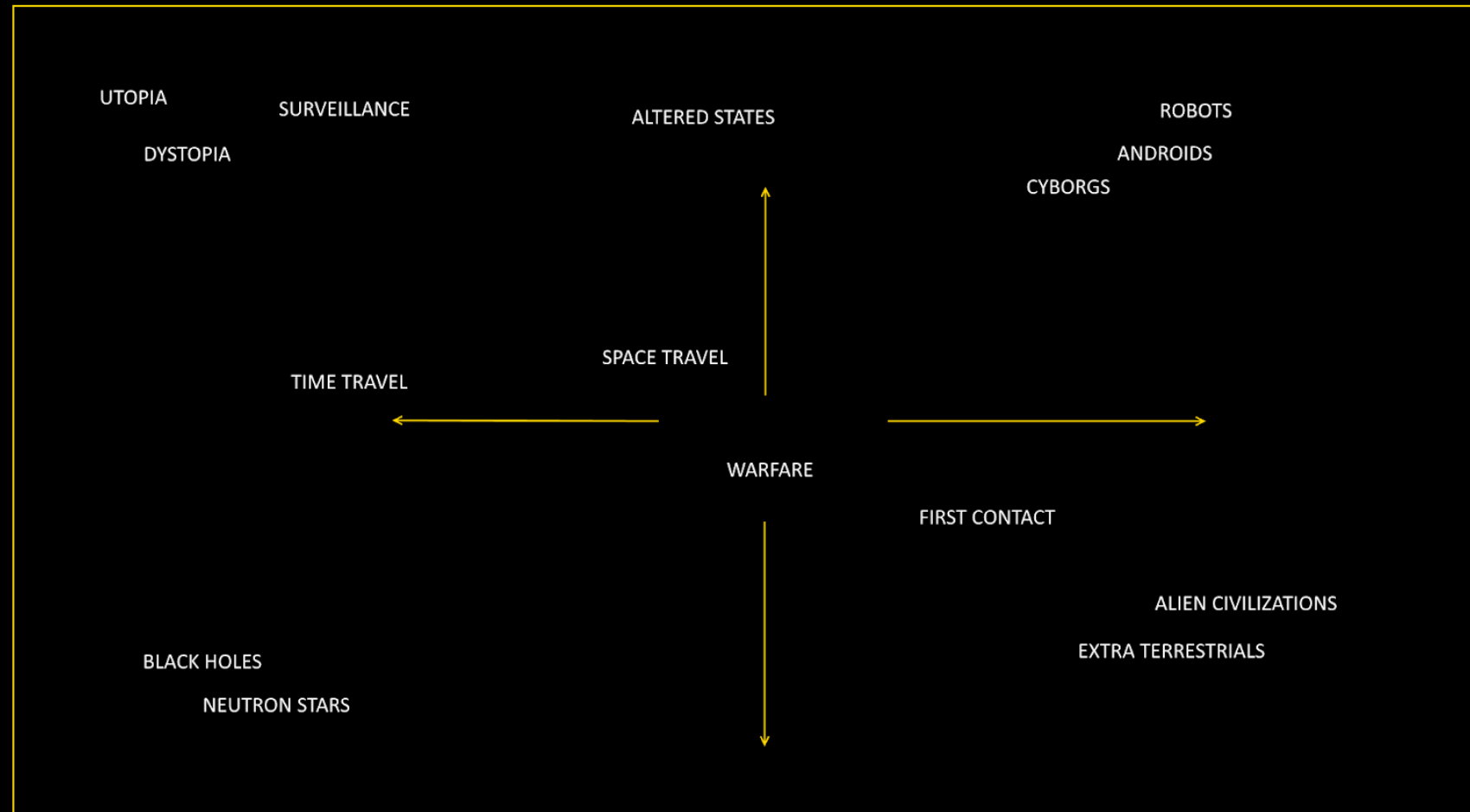
- Google Books API:
 - Omslagsbeskrivelse
 - Forsidebilde

<https://docs.google.com/spreadsheets/d/1u8YNjdFuFwePQgpz6Ee8YNRYS19HwkFj6G27wgg2Hs4/edit#gid=1933596397>

VEIEN VIDERE

Bygge opp et mer nyansert nettverk – et jevnere og mindre lappete lappeteippe!

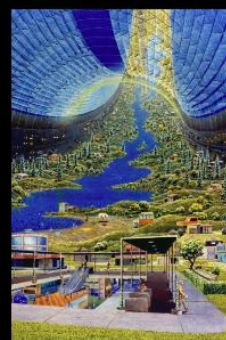
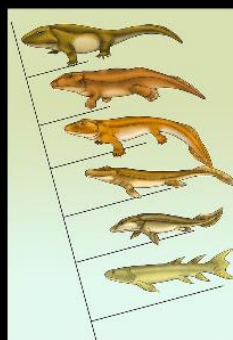
Dette vil både skje med fler emneord og fler bøker - og med bedre algoritmer enn de enkle som foreligger nå.



VEIEN VIDERE

Legge til fasetter slik at man kan avgrense på emneord, forfatter, år o.l.

Og at man kan kunne skifte mellom forsidevisning og emneordvisning.



VEIEN VIDERE

Utvikle et emneordsystem for scifi-termer basert på vårt realfagstermsystem.

Bruke «crowdsourcing» til å få brukerforslag på emneord og bygge opp et nettsamfunn rundt samlingen



TAKK FOR OSS!

Spørsmål?