

1. Record Nr.	UNINA990004838020403321
Autore	Suárez Solís, Rafael
Titolo	Un pueblo donde no pasaba nada (Novela del tiempo quieto) / Rafael Suarez Solis

Pubbl/distr/stampa La Habana : Universidad Central de Las Villas-Direccion de Publicaciones, 1962

Descrizione fisica 212 p. ; 20 cm

Locazione FLFBC

Collocazione SP. III 331

Lingua di pubblicazione Italiano

Formato Materiale a stampa

Livello bibliografico Monografia

2. Record Nr.	UNINA9910337952203321
Autore	Couto Francisco M
Titolo	Data and Text Processing for Health and Life Sciences [[electronic resource] /] / by Francisco M. Couto

Pubbl/distr/stampa Cham, : Springer Nature, 2019

Cham, : Springer International Publishing, : Imprint : Springer, , 2019

ISBN 3-030-13845-3

Edizione [1st ed. 2019.]

Descrizione fisica 1 online resource (XV, 98 p. 483 illus., 74 illus. in color.)

Collana Advances in Experimental Medicine and Biology, , 0065-2598 ; ; 1137

Disciplina 614.5999

Soggetti Cancer research

Human genetics

Database management

Data mining

Cancer Research

Human Genetics

Database Management

Data Mining and Knowledge Discovery

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico**Monografia****Nota di contenuto**

Preface -- Introduction -- Resources -- Data Retrieval -- Text Processing -- Semantic processing -- Index.

Sommario/riassunto

This open access book is a step-by-step introduction on how shell scripting can help solve many of the data processing tasks that Health and Life specialists face everyday with minimal software dependencies. The examples presented in the book show how simple command line tools can be used and combined to retrieve data and text from web resources, to filter and mine literature, and to explore the semantics encoded in biomedical ontologies. To store data this book relies on open standard text file formats, such as TSV, CSV, XML, and OWL, that can be open by any text editor or spreadsheet application. The first two chapters, Introduction and Resources, provide a brief introduction to the shell scripting and describe popular data resources in Health and Life Sciences. The third chapter, Data Retrieval, starts by introducing a common data processing task that involves multiple data resources. Then, this chapter explains how to automate each step of that task by introducing the required commands line tools one by one. The fourth chapter, Text Processing, shows how to filter and analyze text by using simple string matching techniques and regular expressions. The last chapter, Semantic Processing, shows how XPath queries and shell scripting is able to process complex data, such as the graphs used to specify ontologies. Besides being almost immutable for more than four decades and being available in most of our personal computers, shell scripting is relatively easy to learn by Health and Life specialists as a sequence of independent commands. Comprehending them is like conducting a new laboratory protocol by testing and understanding its procedural steps and variables, and combining their intermediate results. Thus, this book is particularly relevant to Health and Life specialists or students that want to easily learn how to process data and text, and which in return may facilitate and inspire them to acquire deeper bioinformatics skills in the future.