

BIOINFORMATYKA

1. Wykład wstępny
2. Struktury danych w badaniach bioinformatycznych
3. Bazy danych: projektowanie i struktura
- 4. Bazy danych: projektowanie i struktura**
5. Zastosowanie przykładowych programów do analizy danych
6. Zastosowanie przykładowych programów do analizy danych
7. Powiązania pomiędzy genami: Hardyego-Weinberga, współczynnik rekombinacji
8. Analiza sprzężeń
9. Analiza sprzężeń
10. Analiza asocjacyjna
11. Analiza asocjacyjna
12. Symulacje komputerowe, jackknife, bootstrap
13. Monte Carlo Markov Models
14. Metody klasyfikacyjne
15. Wykład podsumowujący

Genetic Analysis Workshop

Southwest Foundation for Biomedical Research

[About GAW](#)[GAW16](#)[Related Links](#)[Home](#)[Contact Info](#)



About GAW

[About GAW](#)[Background](#)[Publications](#)[Previous GAWs](#)[Home](#)

More than a year before each Genetic Analysis Workshop, suggestions for topic and appropriate data sets are solicited from people on the GAW mailing list (which now includes more than 1500 individuals). Topics are chosen and a small group of organizers is selected by the GAW Advisory Committee. Data sets are assembled, and six or seven months before each GAW, a memo is sent to individuals on the GAW mailing list announcing the availability of the GAW data. Included with the memo is a short description of the data sets and a form for requesting data. The form contains a statement to be signed by any investigator requesting the data, acknowledging that the data are confidential and agreeing not to use them for any purpose other than the Genetic Analysis Workshop without written permission from the data provider(s). Data are distributed by the ftp or CD-ROM or, most recently, on the web, together with a more complete written description of the data sets.

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This version is not in [the MySQL roadmap](#) at the moment.

If you are looking for the source code, it is still available in our [Launchpad mirrors](#).

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TWORZENIE BAZY DANYCH

1. Create database **alcohol**;
2. Create database **bioinfo**;
3. Show databases ;
4. Drop database **bioinfo**;

TWORZENIE TABEL

1. Use **alcohol** ;
2. Create table **drinks** (**nr int** , **sex char(1)**, **maxdrink int**) ;
3. Desc **drinks** ;
4. Create table **tmp** (**nr varchar(14)**);
5. Show tables ;
6. Drop table **tmp** ;

OPERACJE NA KOLUMNACH DANYCH

1. Alter table **drinks** add column **age** int ;
2. Alter table **drinks** drop column **age** ;

WPROWADZANIE DANYCH DO BAZY

1. Load data local infile

→ 'c:/asia/class/bioinformatics2/lectures/smallGAW.prn'

→ into table drinks

→ fields terminated by ' ' ;

2. Insert into drinks set nr=42, sex='M' ;

WYBIERANIE REKORDÓW DANYCH

1. `Select * from drinks;`
2. `Select * from drinks where sex='M' ;`
3. `Select * from drinks where maxdrink>50 ;`

