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Services

Data analysis and Mathematical modelling

I analyse your datasets, for instance RNA sequencing from cell cultures, to answer your questions, e.g. what is the effect of a drug treatment on gene expression? I also offer side services, such as submitting data to public resources on your behalf. I develop customised mathematical models describing your biological systems of interest and run numerical simulations to explain your data and answer your questions. For instance, what would be the effect of deleting a specific gene on cell survival and proliferation? What is the optimal dose and frequency of a drug to tackle a disease?

While services and expectations are discussed before the start, the process will be bespoke and iterative, to make the most of the existing data and our expertise. Indeed new questions emerge during data analysis, and initial aims often evolve.

Training and supervision in data analysis and modelling

If you have access to the needed workforce, but without the required skill-set, I offer personal training and supervision to your relevant staff members. This will be uniquely designed and focussed on your needs and aims.

Prices

Training and supervision in data analysis and modelling

All training and supervision services are charged by the hour. This includes the contact time and the time necessary to put together the material and test it or review progress and prepare suggestions (within the limit of 3 hours of preparation for 1 hour of actual training and supervision). The cost of the hour is GBP 50.

Data analysis and Mathematical modelling

Would I perform all the work myself, I propose three models of costing:

- 1) If the task to perform is standard and small, I propose fixed prices based on the estimated number of required hours ("builder model"). GBP 50 per hour.
 - 2) If the task to perform is non-standard, requires interactions with you, and/or is of an amplitude making a precise estimation of the required time difficult, I charge by the hour, with periodic evaluations of results and intermediate invoices ("lawyer model"). GBP 50 per hour.
 - 3) If the services are based on duration (e.g. if you hire us using leftover grants) I charge a lump cost per week ("consultant model"). GBP 50 per hour per week. Full-time being 37 hours a week.
- All extra expenses required for the job will be added to the invoices. This could include cost of transportation to your premises, specific storage space, or compute time required for a task.