

## عنوان مقاله:

Evaluation of geochemical features of veiny Au deposit using Discriminant function model

## محل انتشار:

اولین همایش بین المللی پژوهش و پیشرفت در علوم زمین (سال: 1396)

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## نویسندگان:

Hossein Shahi - Department of mining engineering, university of Gonabad

Reza Ghavami - Faculty of mining, Petroleum and Geophysics, Shahrood university of technology

## خلاصه مقاله:

Discriminant function is a multivariate statistical method that has been used to determine correlation between every sample with one of known societies based on their litho geochemical analysis. In this study, geochemical features of elements that are probably related to mineralization of Au and Cu deposit in Tanurcheh area, east of Iran, were evaluated using discriminant function model. In order to assessing of correct evaluation, discriminant function was utilized over Au element. Discriminant function method demonstrates that there is not high relationship between the elements of Au and Cu and there are probably two mineralizing types of Cu porphyry and veiny Au in this district. In the finally the variety of elements that are related to anomaly and background in veiny Au mineralization type were identified and after classifying the samples, the ability and validity of discriminant function method were discussed. Leave-one-out cross-validation as a popular strategy was utilized to estimate the risk of an estimator. With regard to obtained functions, the new samples in the region can be classified easily into anomaly, background and transition subpopulations for Au mineralization.

## کلمات کلیدی:

Discriminant function model, veiny Au deposit, classification, Leave-one-out cross validation

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/668678>

