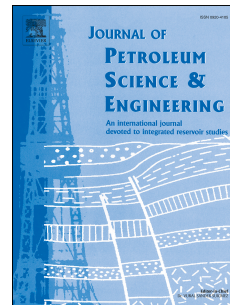


# Accepted Manuscript



Pattern recognition insight into drilling optimization of shaly formations

Ali Chamkalani, Sohrab Zendehboudi, Mahmood Amani, Reza Chamkalani, Lesley James, Maurice Dusseault

PII: S0920-4105(17)30489-8

DOI: [10.1016/j.petrol.2017.05.017](https://doi.org/10.1016/j.petrol.2017.05.017)

Reference: PETROL 4001

To appear in: *Journal of Petroleum Science and Engineering*

Received Date: 11 September 2016

Revised Date: 15 May 2017

Accepted Date: 17 May 2017

Please cite this article as: Chamkalani, A., Zendehboudi, S., Amani, M., Chamkalani, R., James, L., Dusseault, M., Pattern recognition insight into drilling optimization of shaly formations, *Journal of Petroleum Science and Engineering* (2017), doi: 10.1016/j.petrol.2017.05.017.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# TOOLBOX

Input

- $ROP_n$
- CEC
- $1/E_s$
- CEC
- $D_{cut}$
- CEC

Linear Discriminant Analysis (LDA)

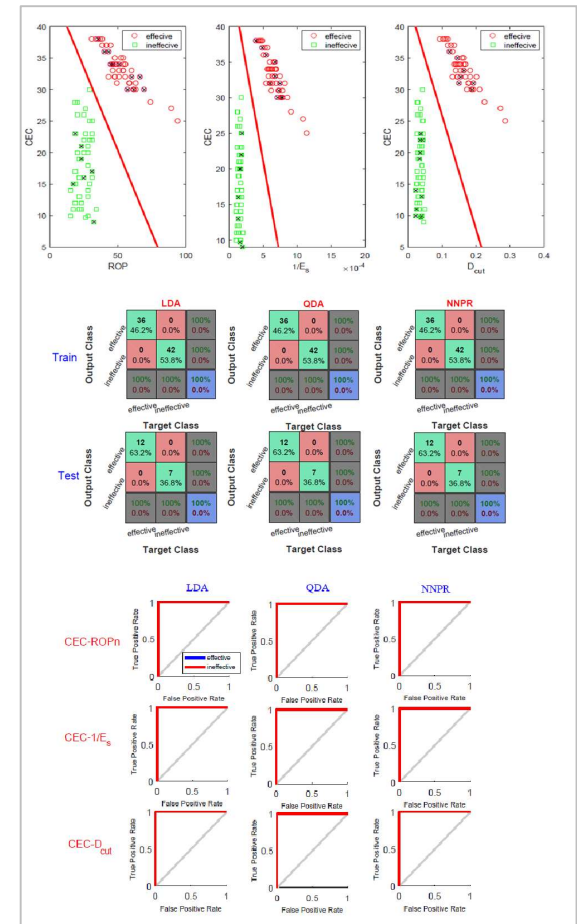
Quadratic Discriminant Analysis (QDA)

Neural Network Pattern Recognition (NNPR)



Output

- Effective Drilling
- Ineffective Drilling



TOOLBOX

+



=

Drilling Optimization!

Download English Version:

<https://daneshyari.com/en/article/5484112>

Download Persian Version:

<https://daneshyari.com/article/5484112>

[Daneshyari.com](https://daneshyari.com)