

# List 10: prediction for logit/probit-regressions

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## Warning: пакет 'zoo' был собран под R версии 4.5.2

## 1 labour force equation

For the dataset TableF5-1 consider regression **LFP на WA, log(FAMINC), WE, KL6, K618, CIT, UN** of the following specifications:

- logit
- probit

Consider people with characteristics

	WA	FAMINC	WE	KL6	K618	CIT	UN
1	35	12500	15	2	0	1	5
2	40	9800	12	1	2	0	7.500
3	42	67800	14	2	1	1	3

Evaluate prediction for each individual in the sample. **Round the answer to 3 decimal places.**

Answer:

	Pred.logit	Pred.probit
1	0.209	0.214
2	0.300	0.307
3	0.192	0.196

## 2 approve equation

For the dataset loanapp consider regression **approve на appinc/100, mortno, unem, dep, male** of the following specifications:

- logit
- probit

Consider people with characteristics

	appinc	mortno	unem	dep	male
1	120	1	1.800	0	1
2	48	1	3.200	0	0
3	82	0	3.900	1	1

Evaluate prediction for each individual in the sample. **Round the answer to 3 decimal places.**

Answer:

	Pred.logit	Pred.probit
1	0.941	0.943
2	0.930	0.930
3	0.853	0.853

### 3 swiss labour force equation

For the dataset SwissLabour consider regression **participation** ha **income**, **income^2**, **age**, **age^2**, **youngkids**, **oldkids** of the following specifications:

- logit
- probit

Consider people with characteristics

	income	age	youngkids	oldkids
1	11.367	2.500	0	0
2	9.217	3.700	2	0
3	10.686	4.200	2	1

Evaluate prediction for each individual in the sample. **Round the answer to 3 decimal places.**

Answer:

	Pred.logit	Pred.probit
1	0.367	0.371
2	0.626	0.624
3	0.182	0.186