

# Izračun skupnih selekcijskih indeksov pri slovenski lisasti pasmi govedu

24. februar 2010

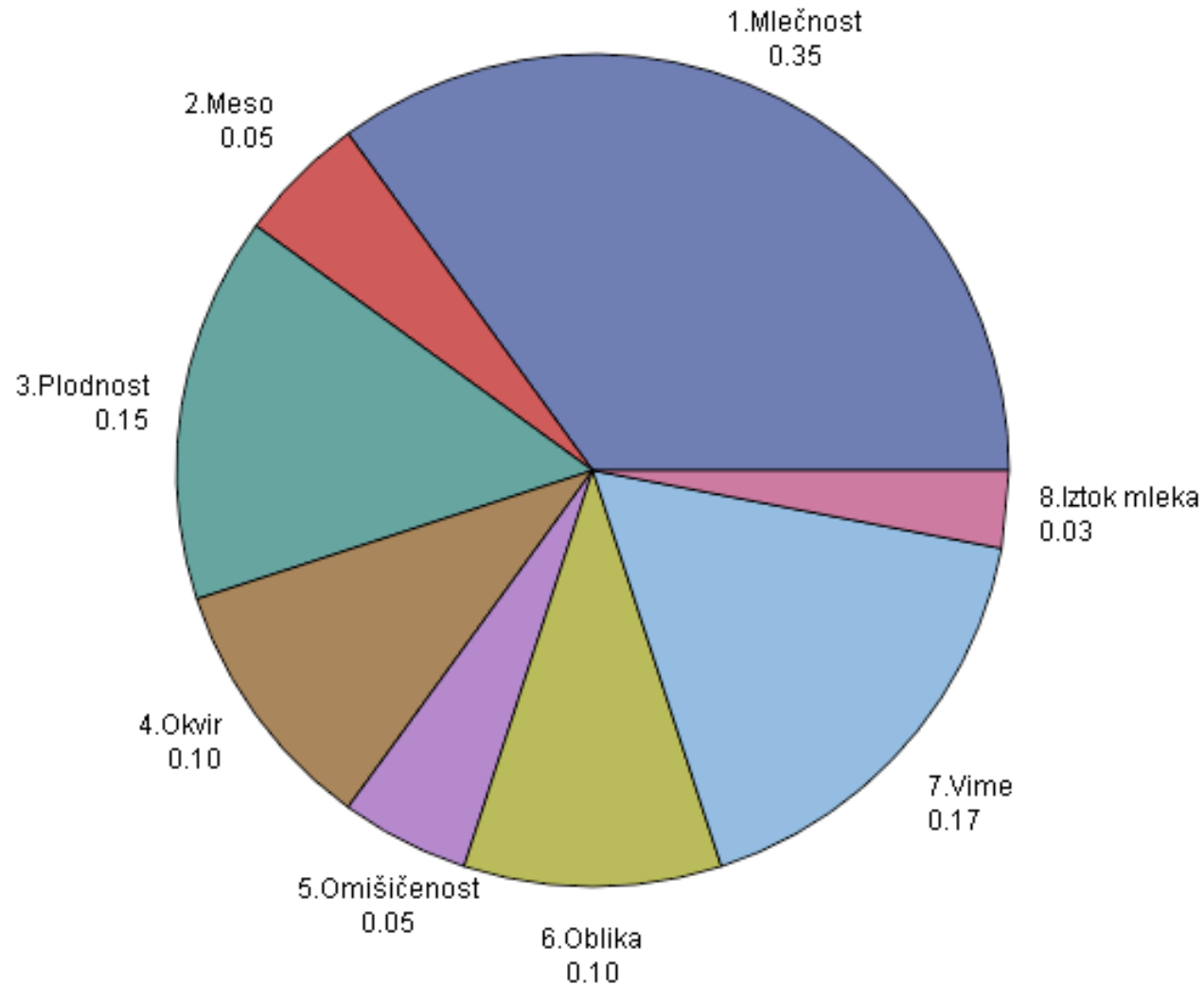
Klemen Potočnik, Miran Štepec, Gregor Gorjanc in Jurij Krsnik

Center za strokovno delo v živalinoreji,  
Oddelka za zootehniko, **Biotehniške** fakultete, Univerze v Ljubljani

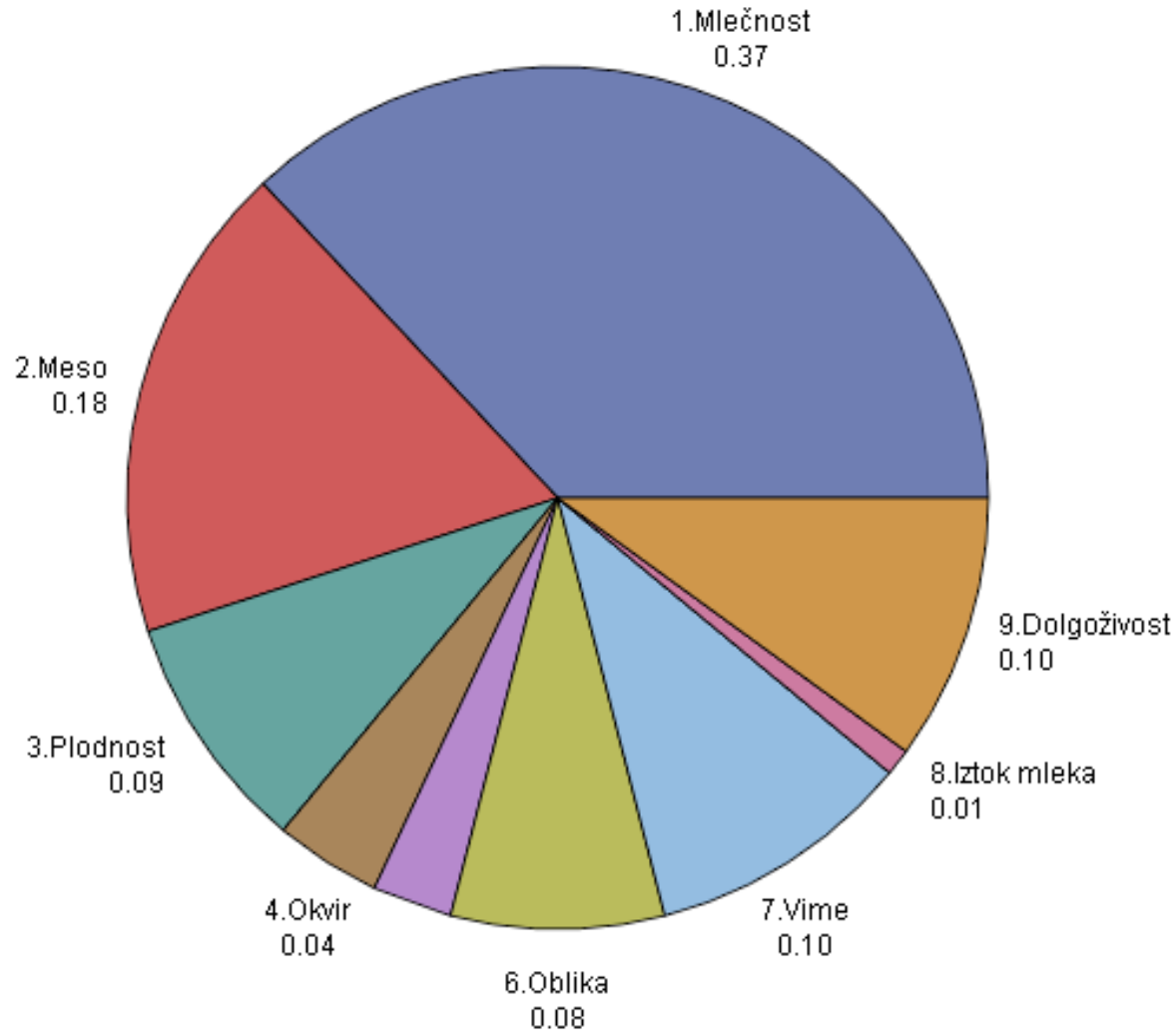
# Predlagane spremembe SSI

- |  | verzija |
|--|---------|
| * Osnovna verzija – trenutno v uporabi |         |
| ~ Mleko – prireja mleka                |         |
| ~ Meso – kombinirana reja              | T       |
| * Predlagane spremembe                 |         |
| ~ Dopolnitev in večji poudarek:        |         |
| • Prirast                              |         |
| • Dolgoživost                          | 1       |
| ~ Restrikcija                          |         |
| • telesne lastnosti                    |         |
| * Predlagane spremembe                 |         |
| ~ Potencirana varianta 1               | 2       |

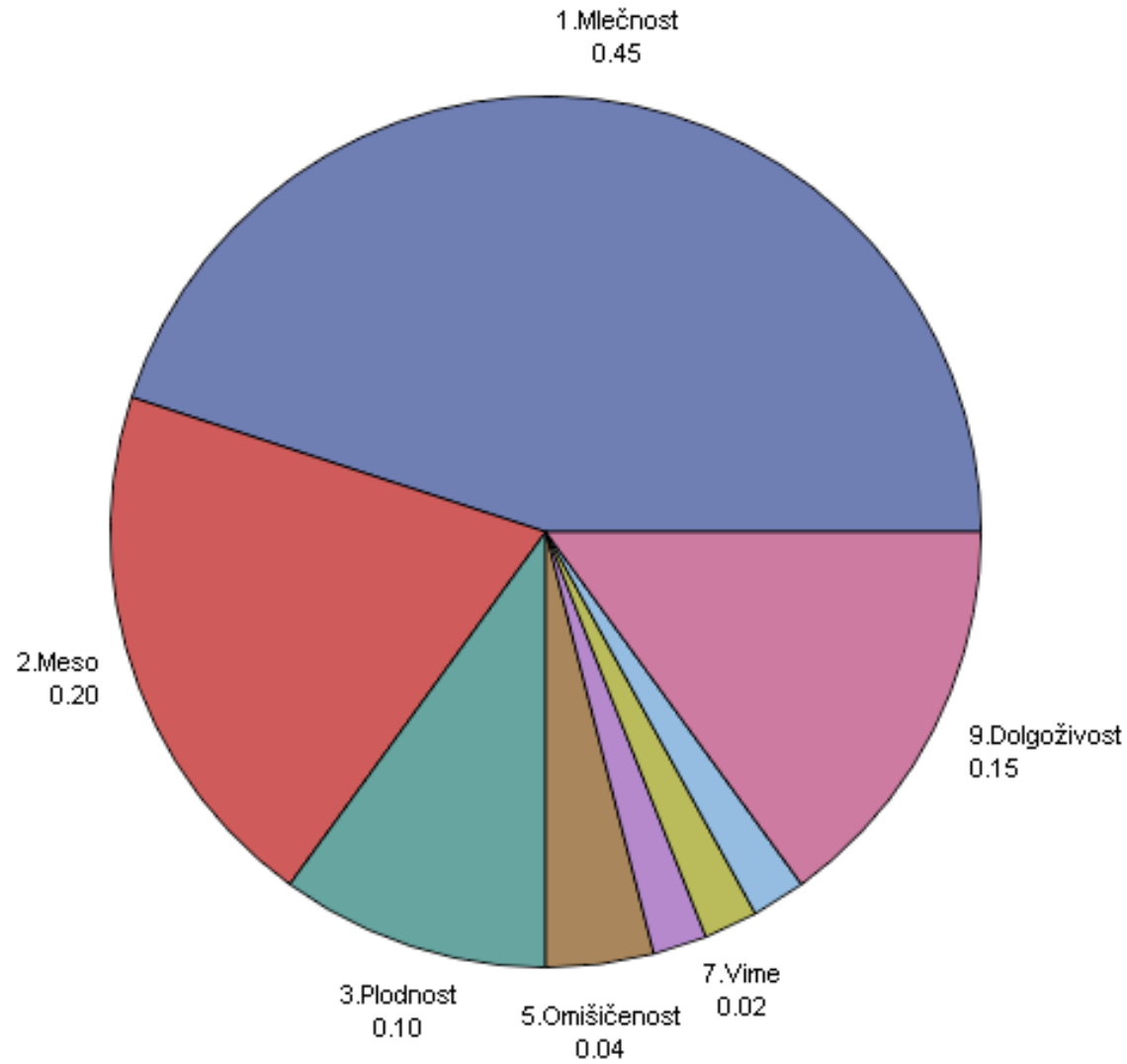
# Ekonomске teže - varianta T mleko



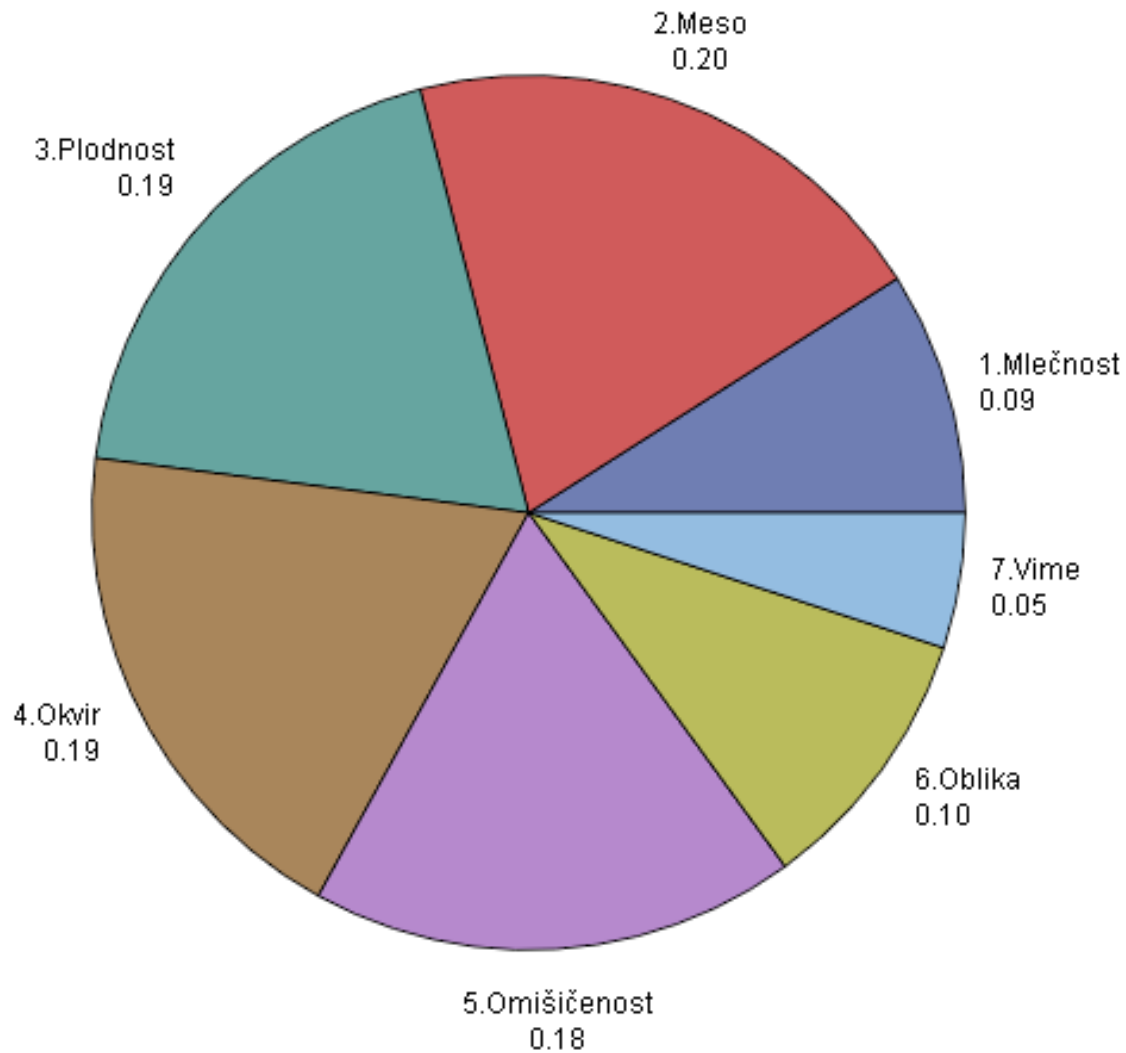
# Ekonomске teže - varijanta 1 mleko



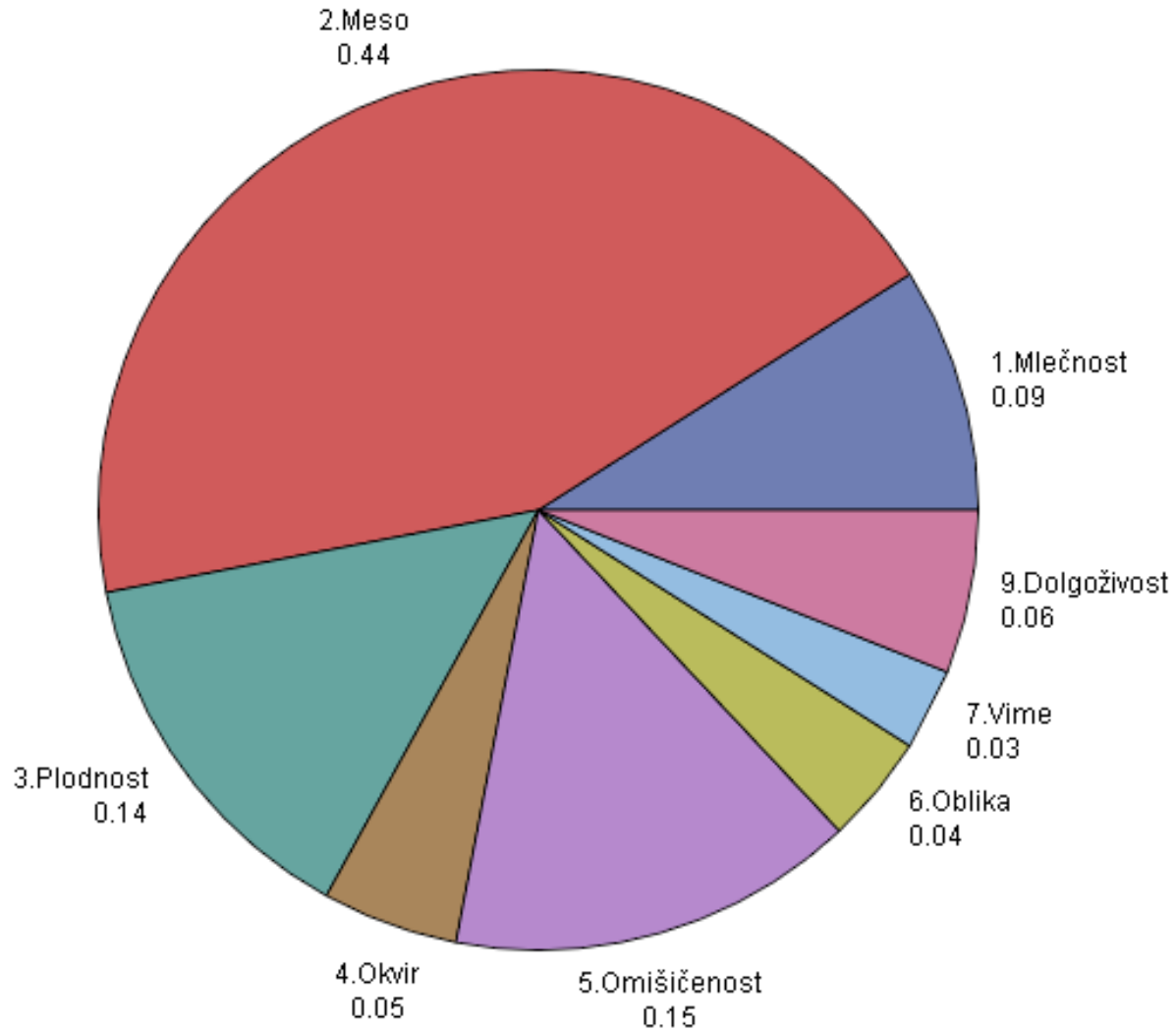
# Ekonomske teže - varianta 2 mleko



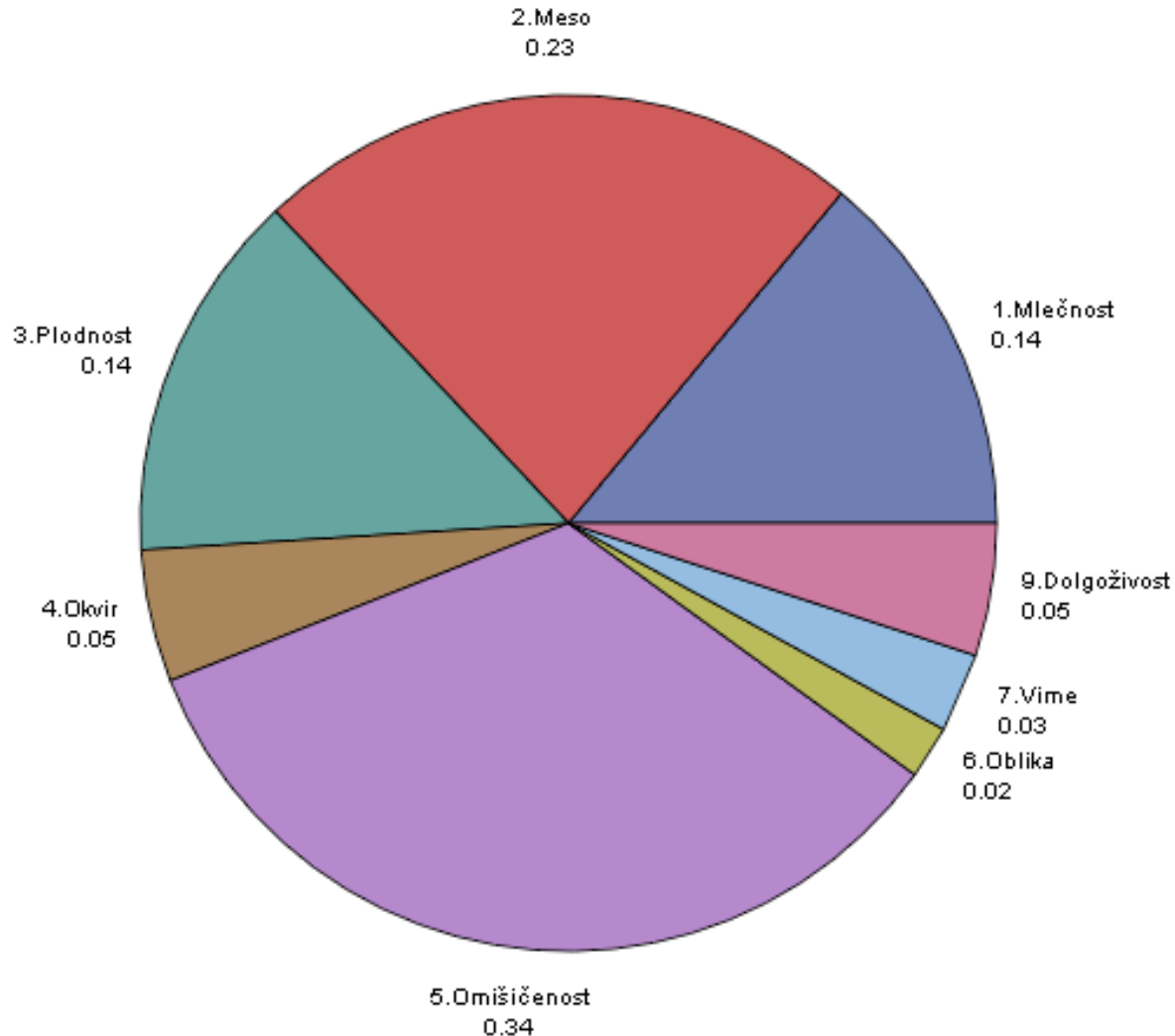
# Ekonomске teže - varijanta T meso



# Ekonomске teže - varijanta 1 meso



# Ekonomске teže - varijanta 2 meso



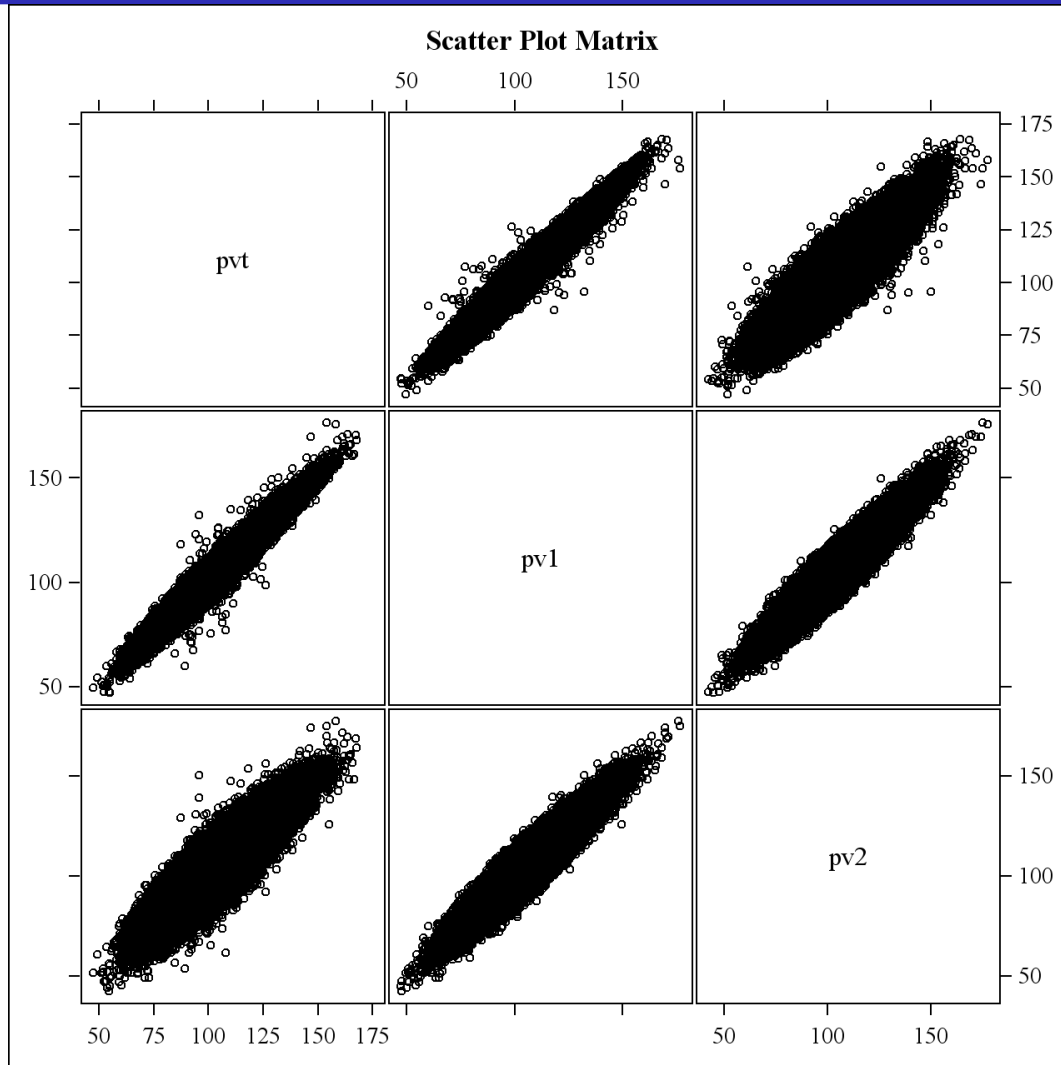


# Korelacije ml

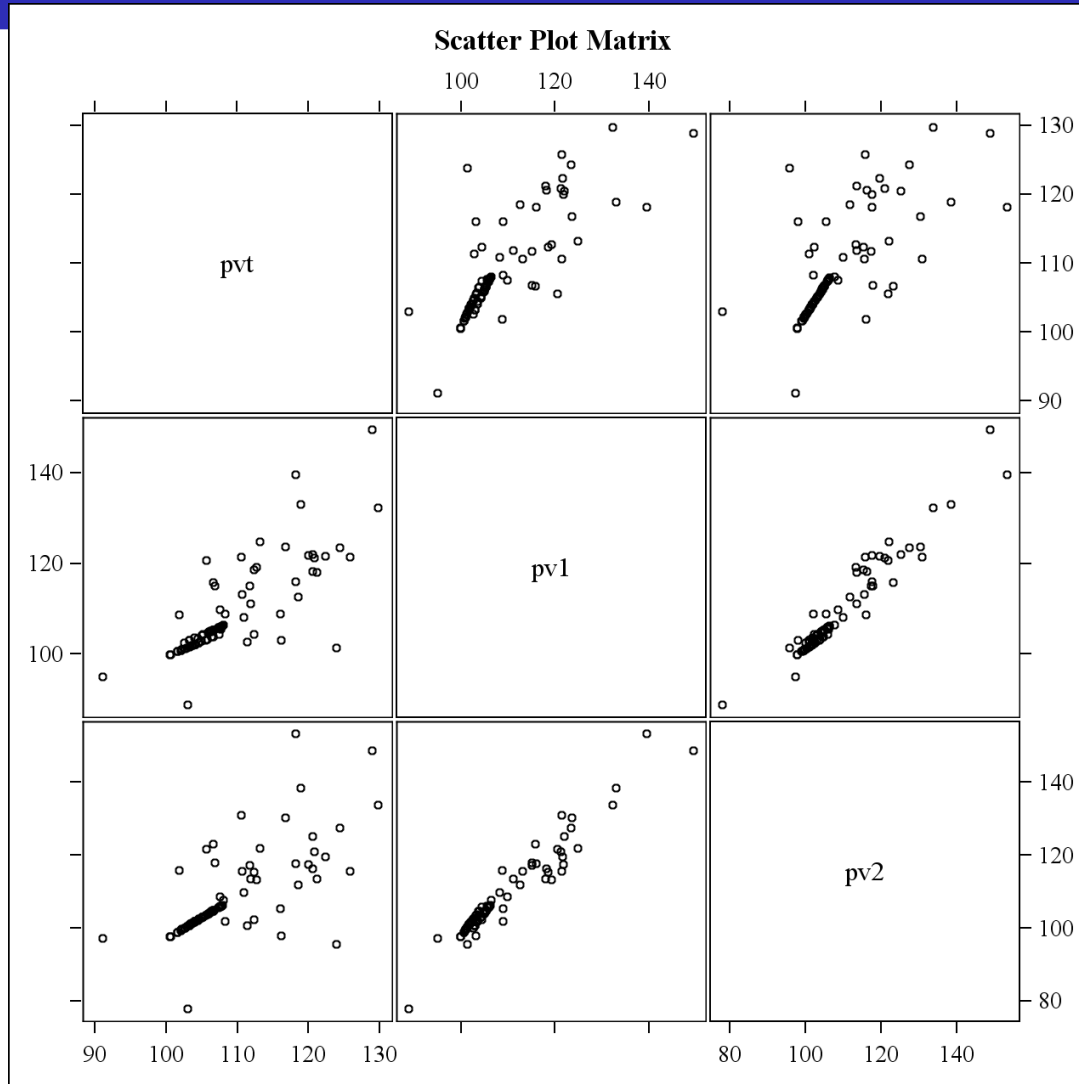
Simple Statistics							
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
<b>pvt</b>	188267	100.00000	12.00000	18826700	47.14115	167.87197	Standard. PV
<b>pv1</b>	188267	99.99998	12.00003	18826697	47.14477	176.48867	Standard. PV
<b>pv2</b>	188267	99.99998	12.00003	18826697	42.42440	177.28441	Standard. PV

Pearson Correlation Coefficients, N = 188267 Prob >  r  under H0: Rho=0			
	pvt	pv1	pv2
<b>pvt</b> Standard. PV	1.00000	0.97126 <.0001	0.88275 <.0001
<b>pv1</b> Standard. PV	0.97126 <.0001	1.00000	0.94479 <.0001
<b>pv2</b> Standard. PV	0.88275 <.0001	0.94479 <.0001	1.00000

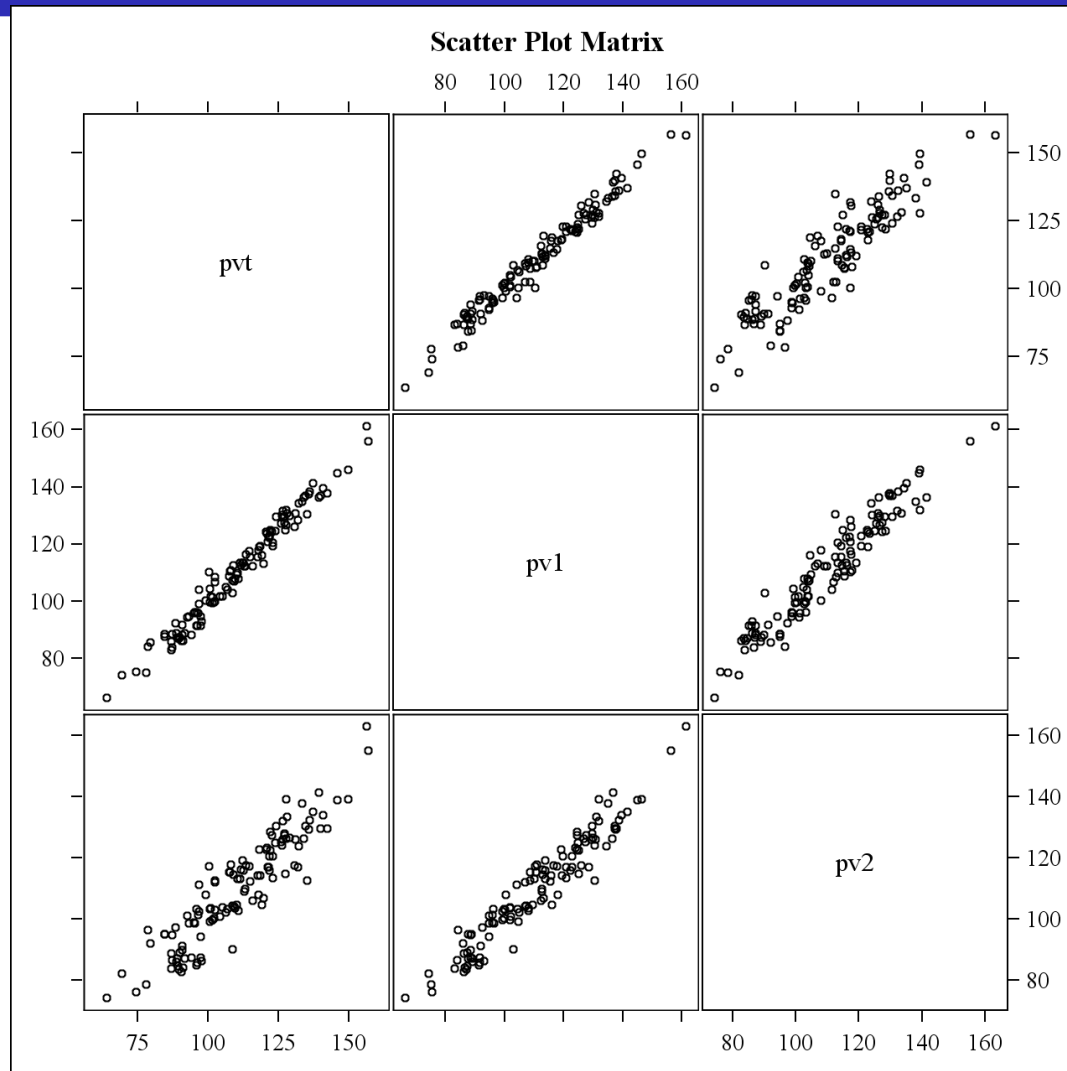
# Korelacije ml



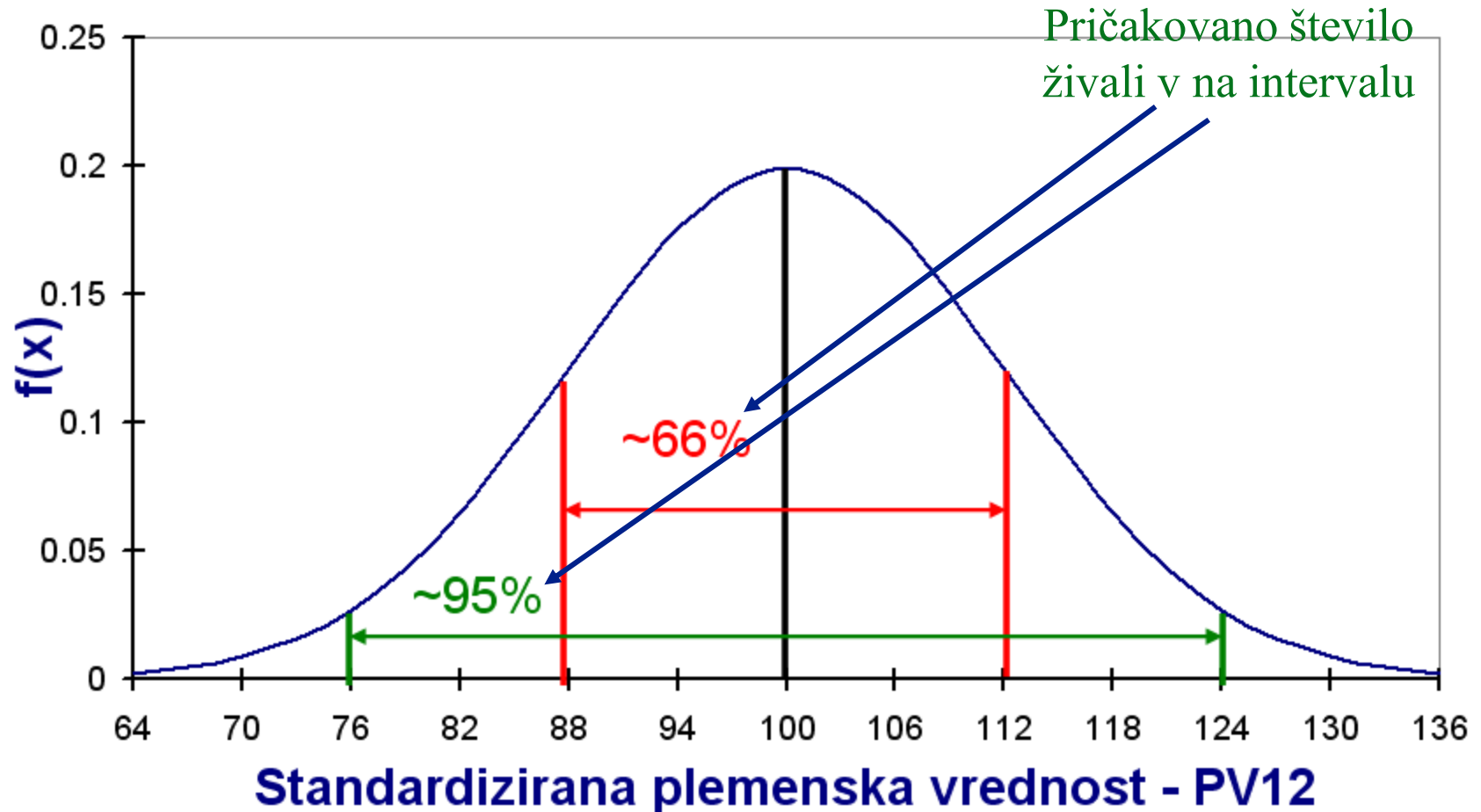
# Korelacije katalog ml



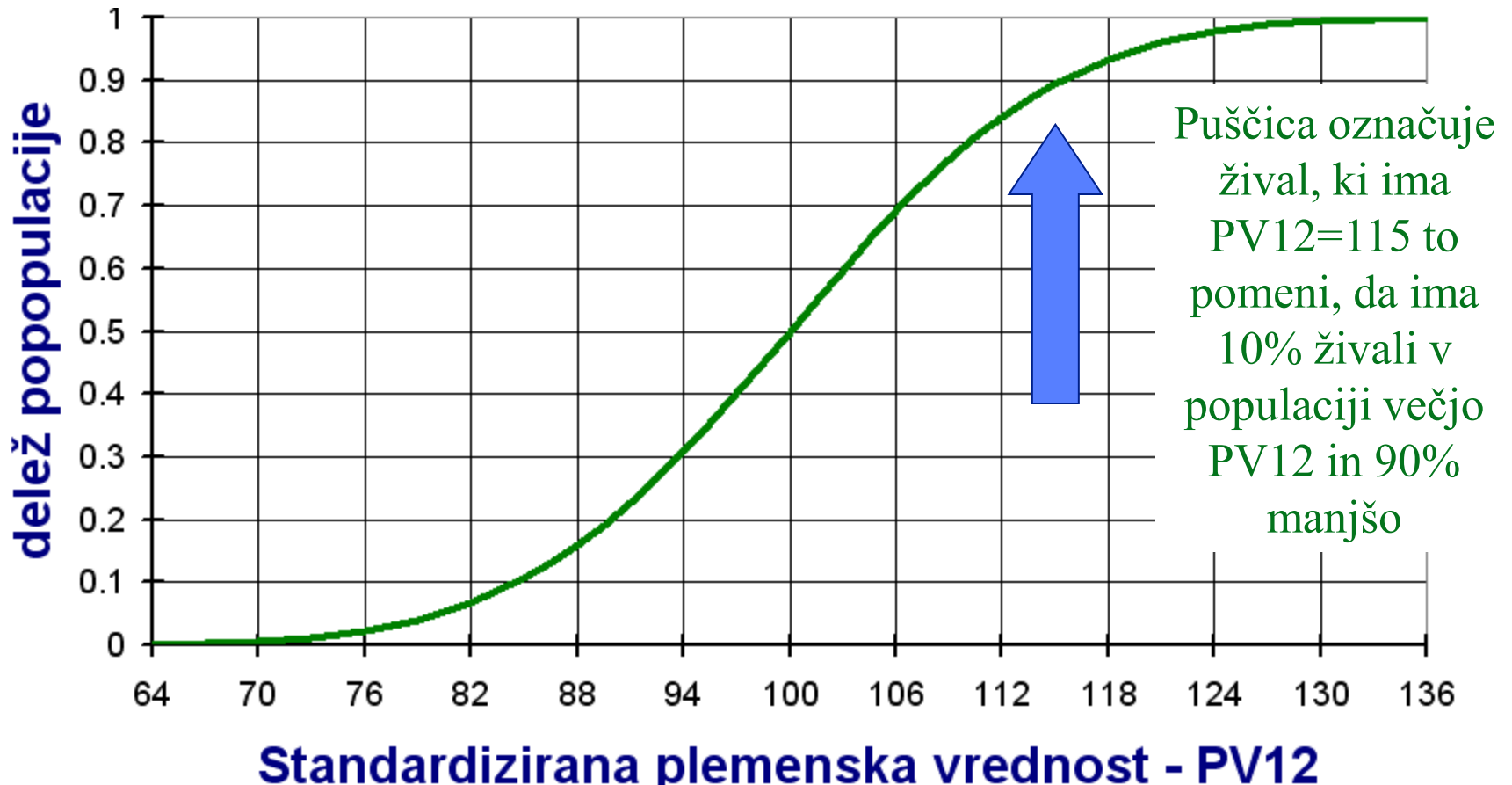
# Korelacije rejci ml



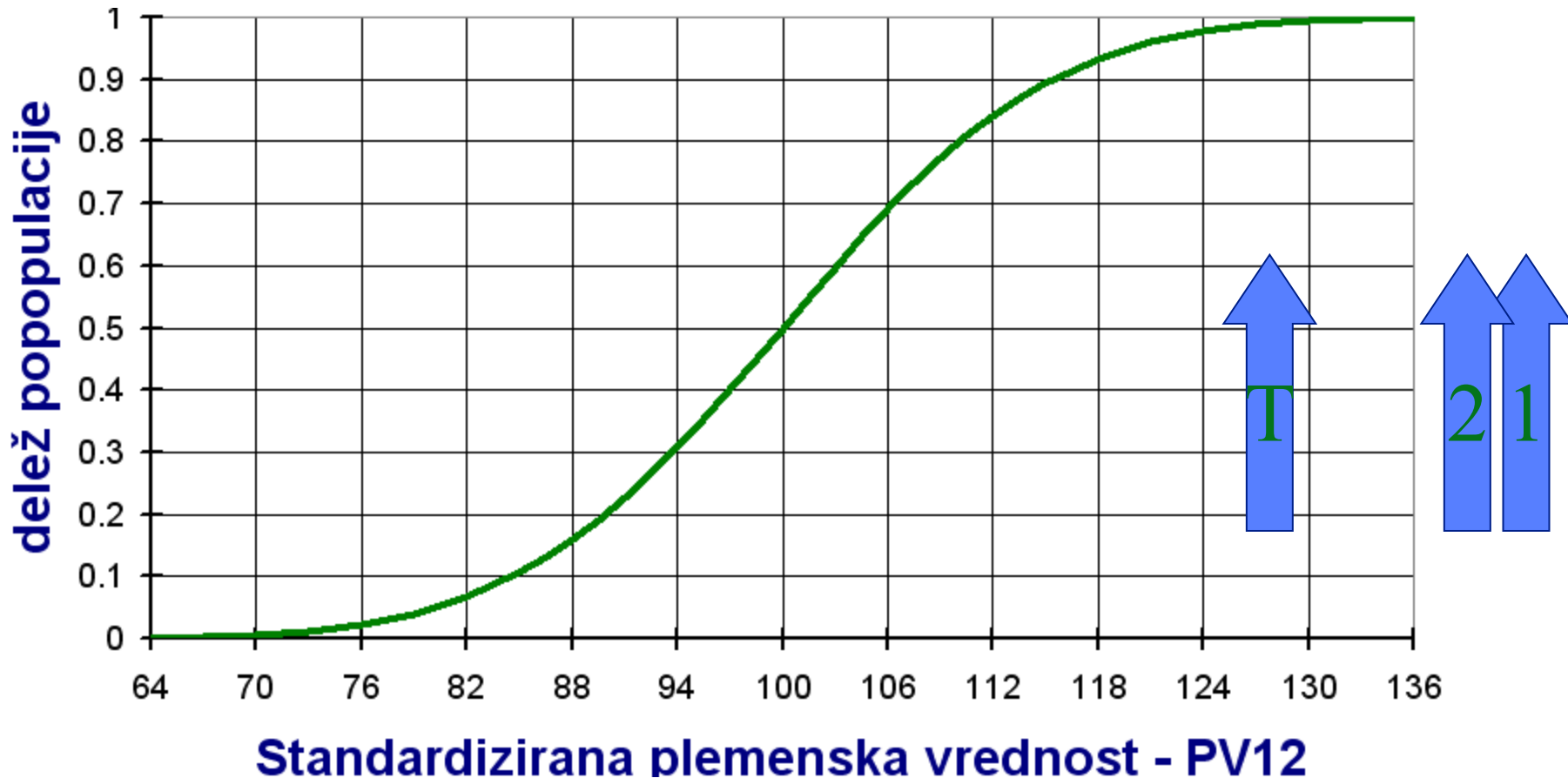
# Porazdelitev PV12 - teoretično



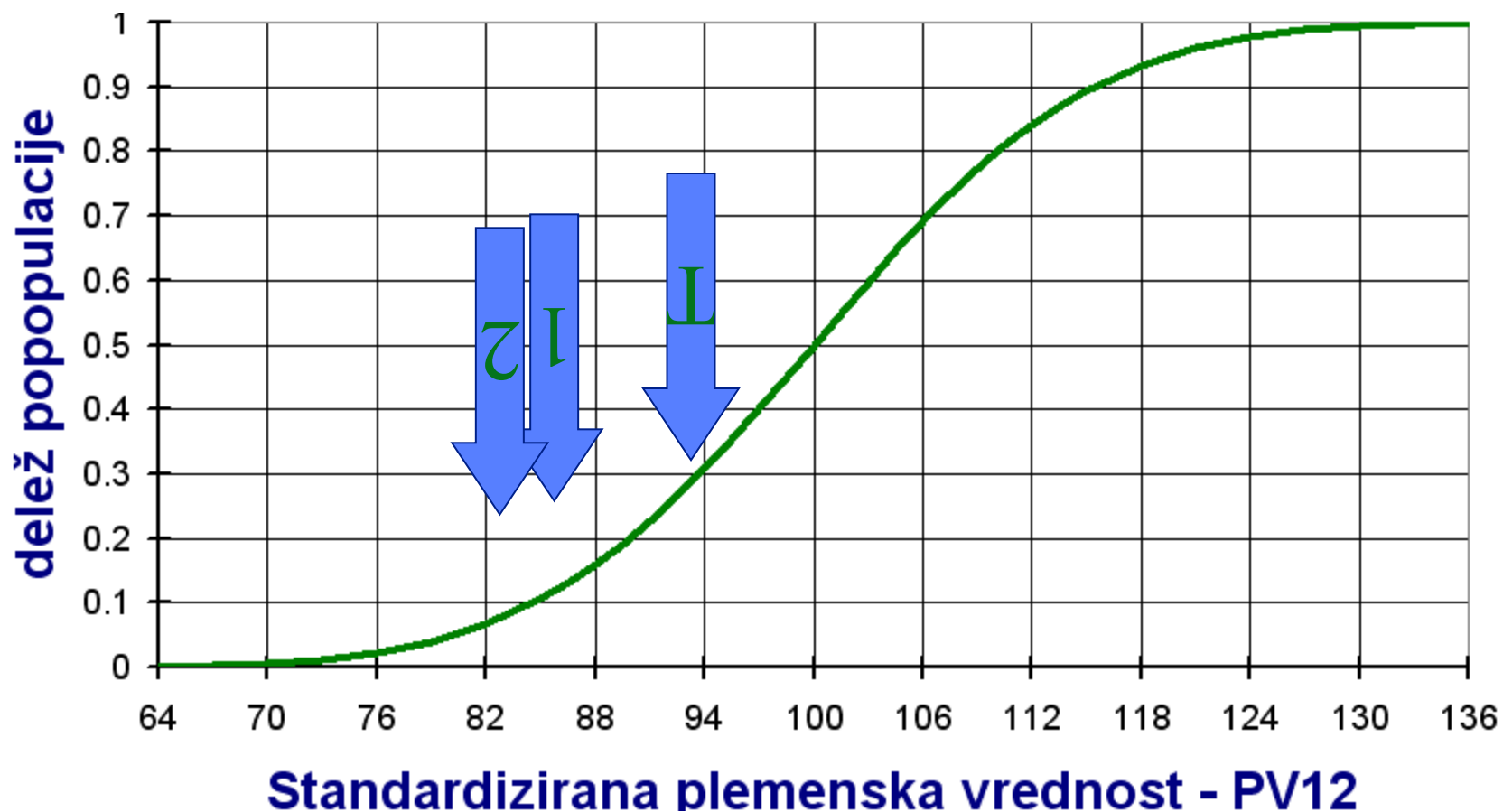
# Kumulativna porazdelitev



# bik STAS - mleko

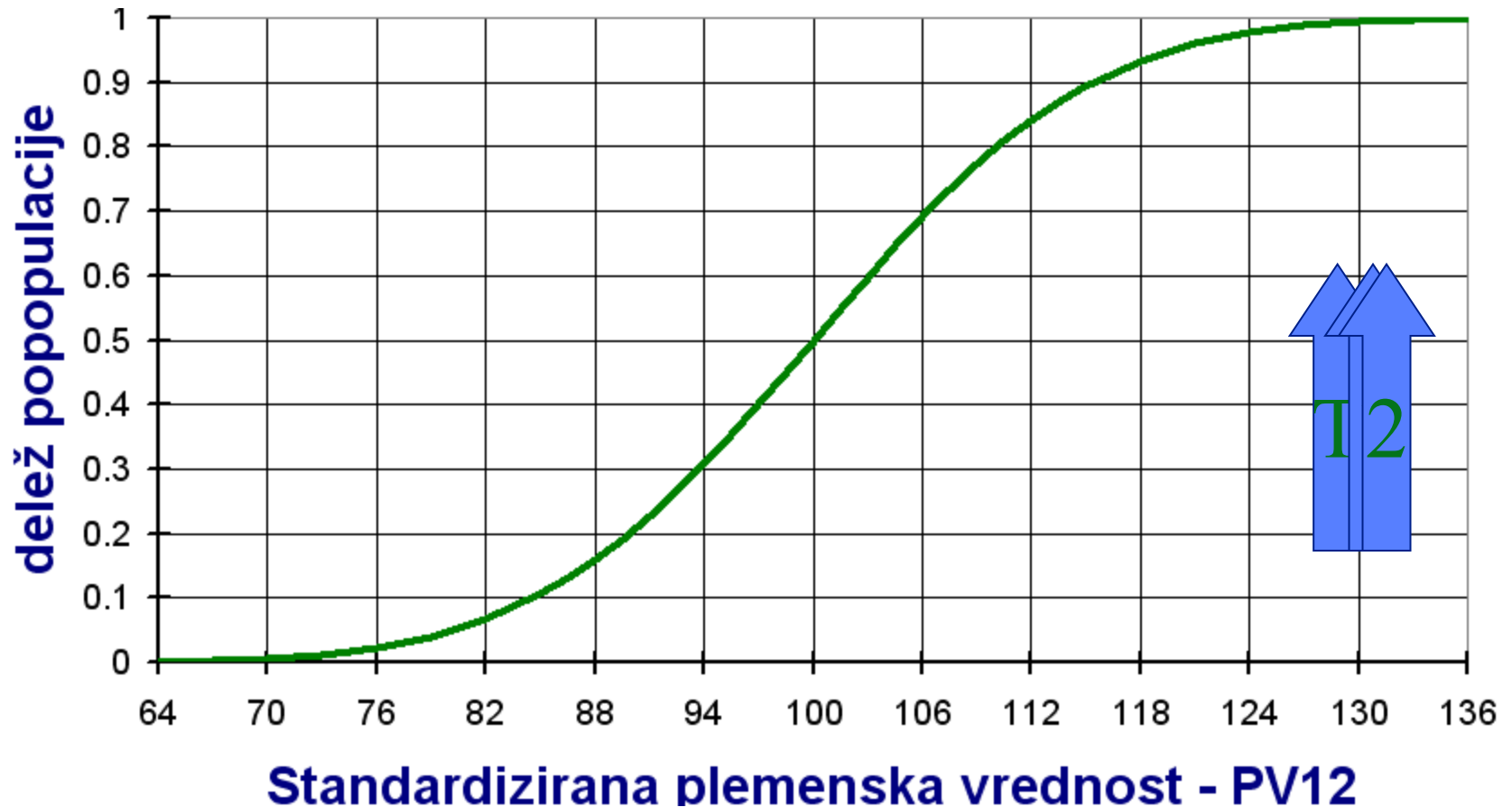


# bik STAS - meso

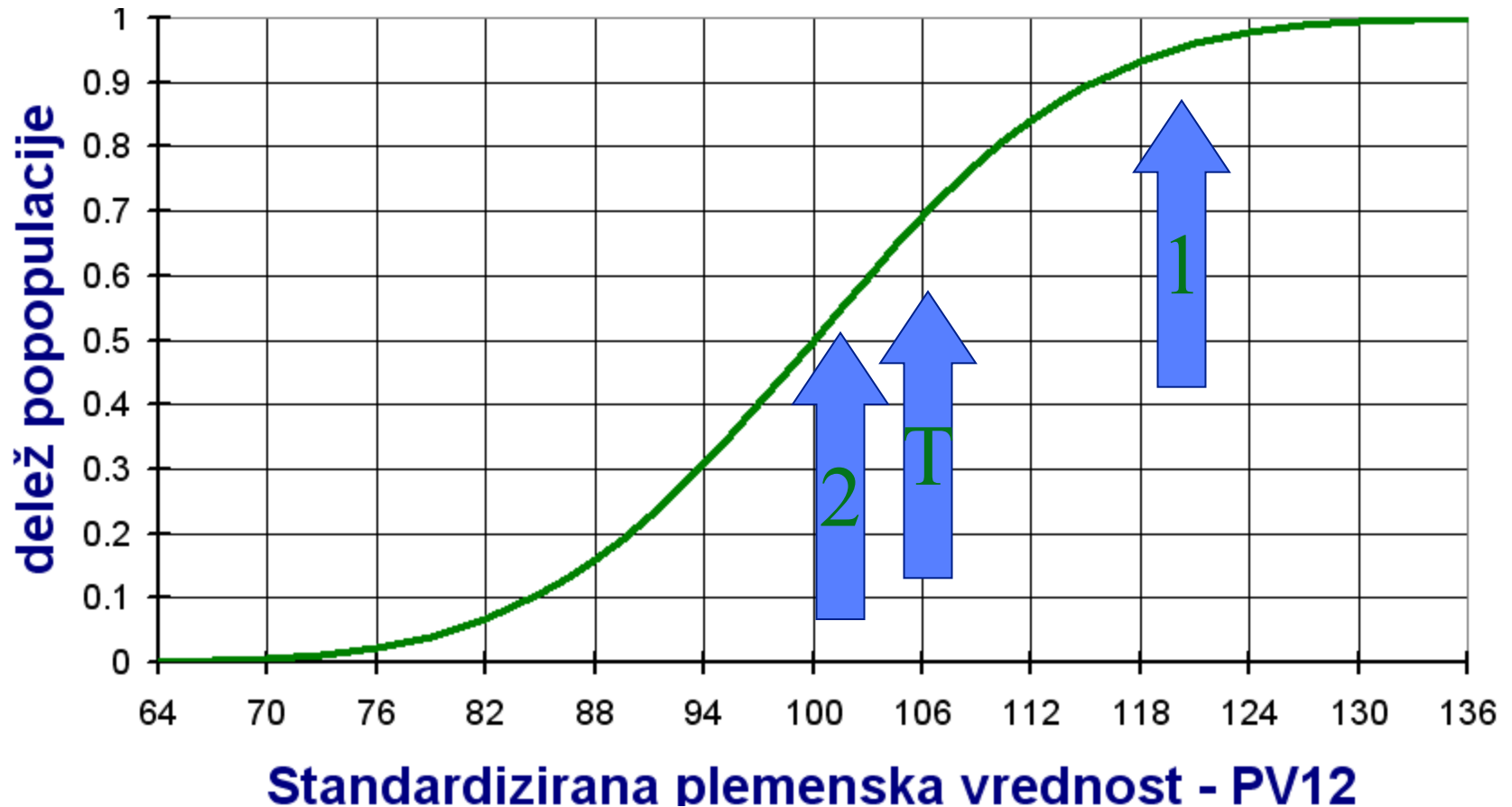




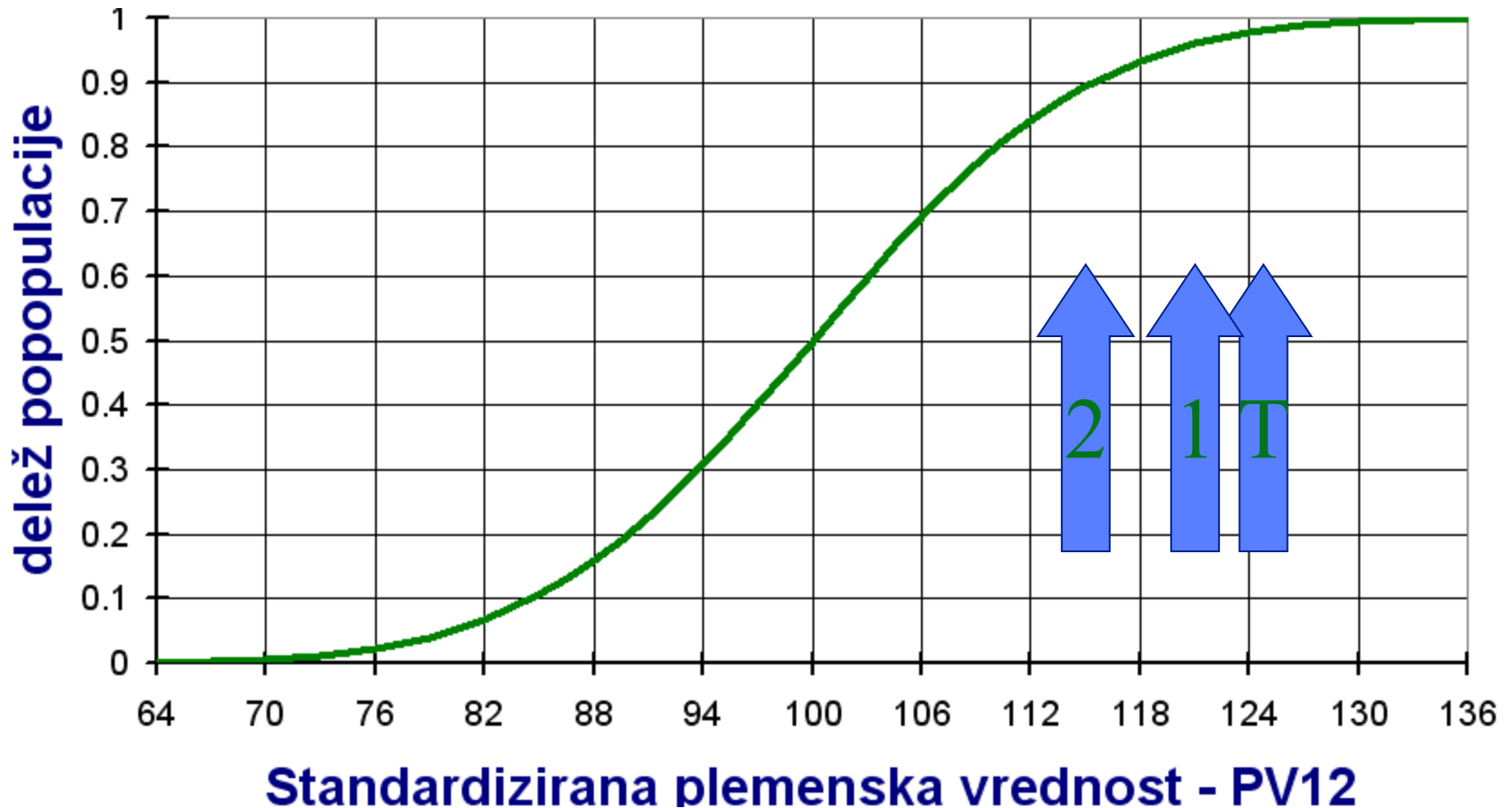
# bik MANBI - mleko



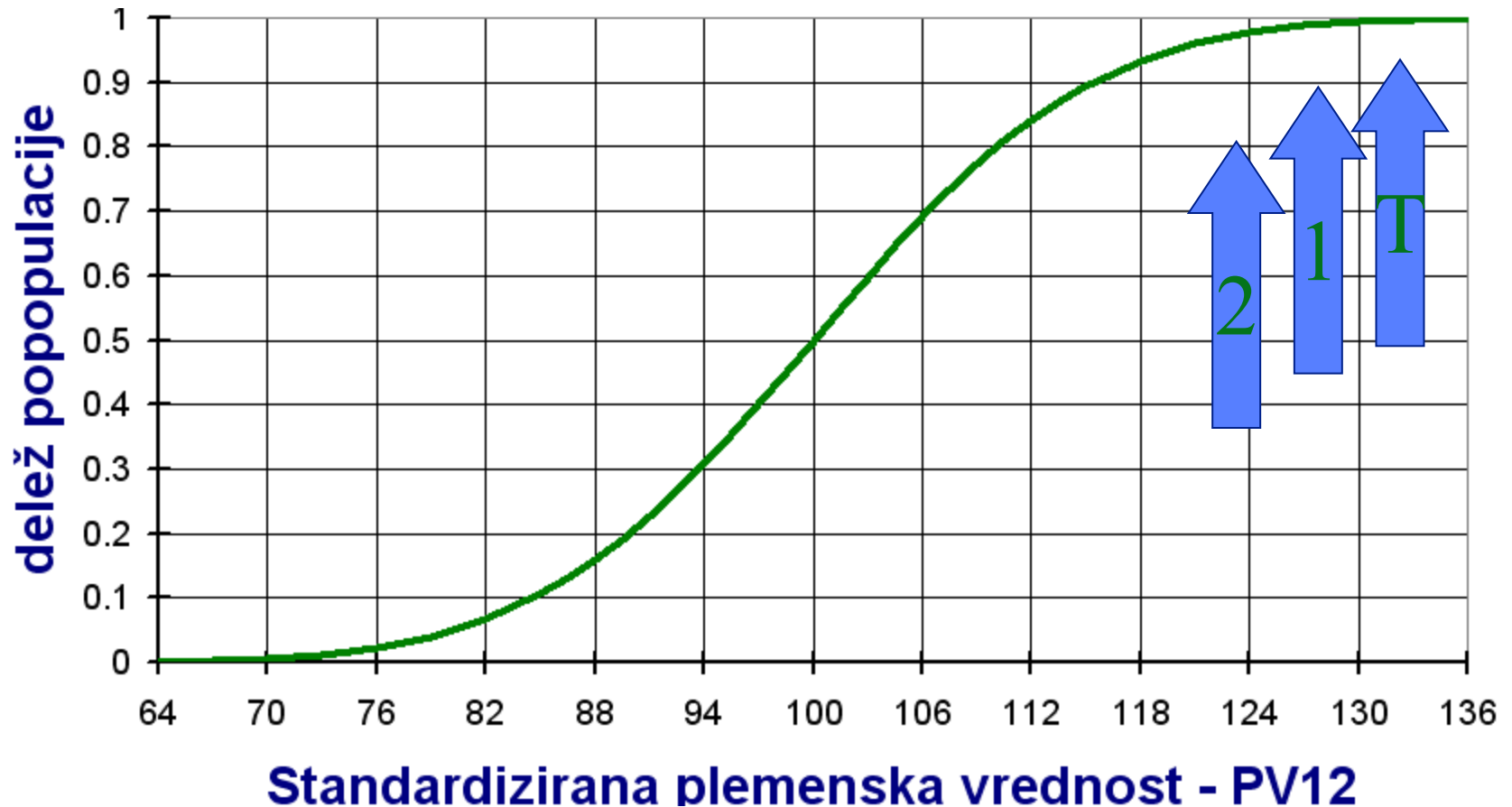
# bik MANBI - meso



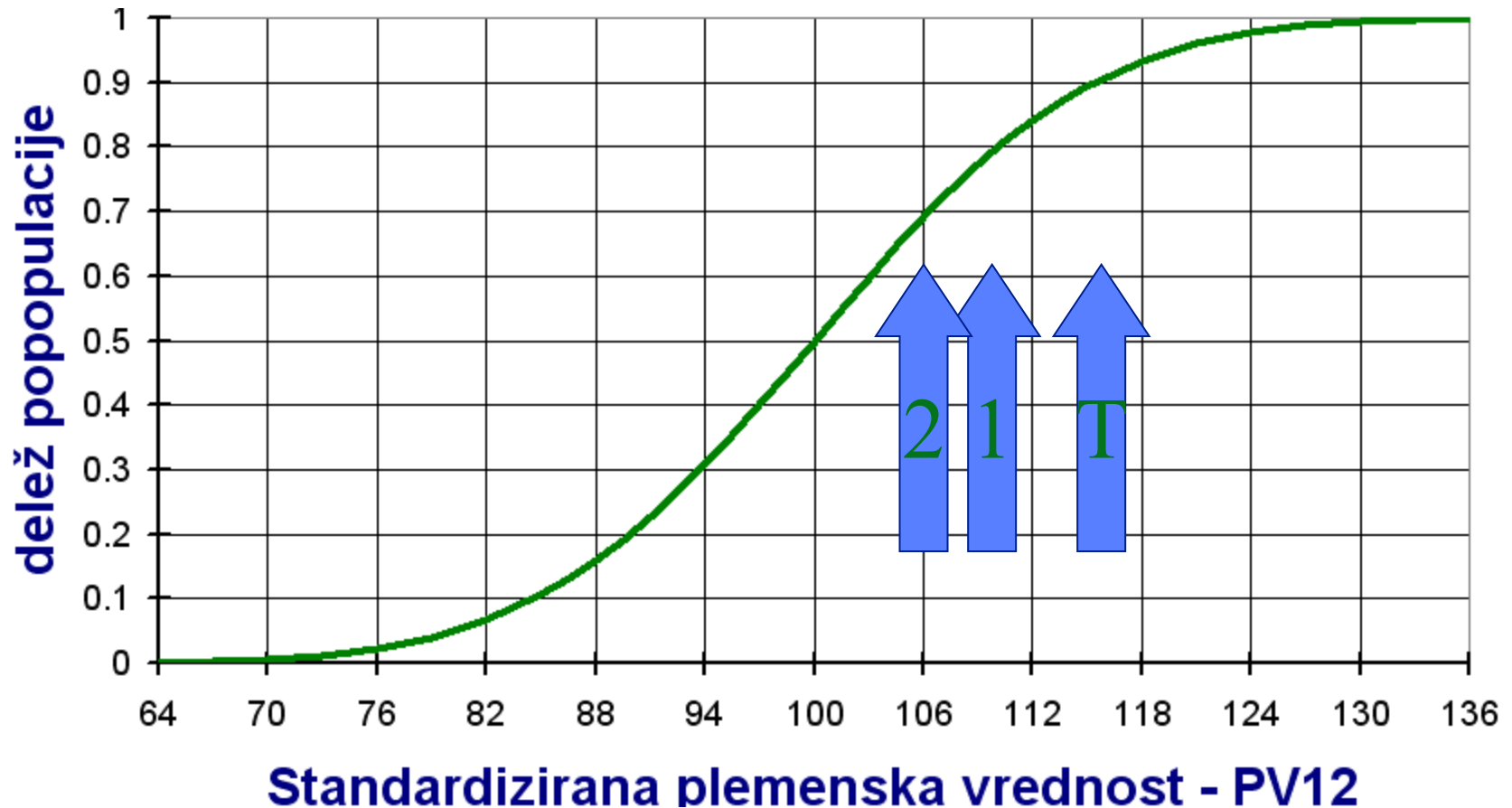
# bik AZIL - mleko



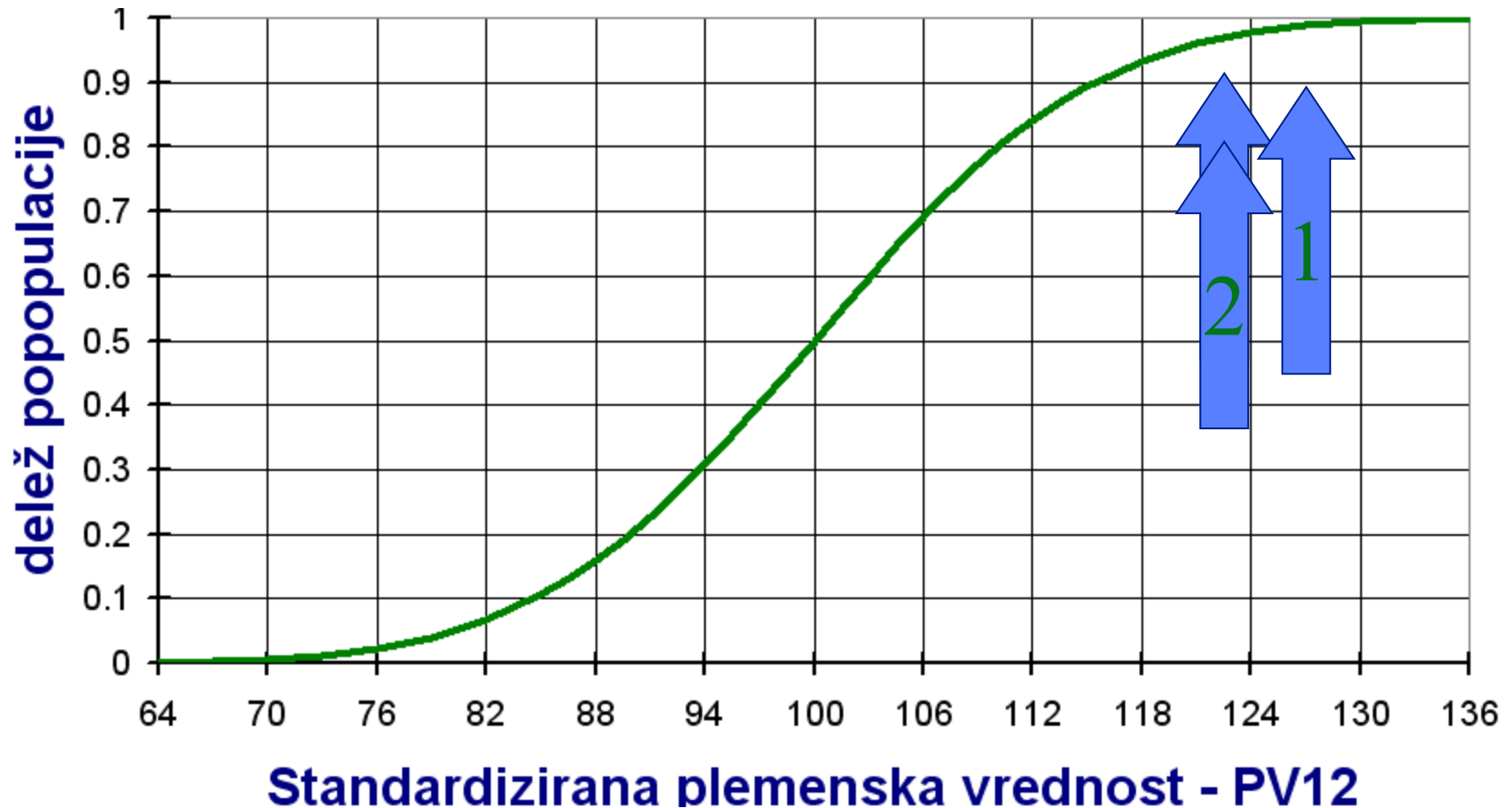
# bik AZIL - meso



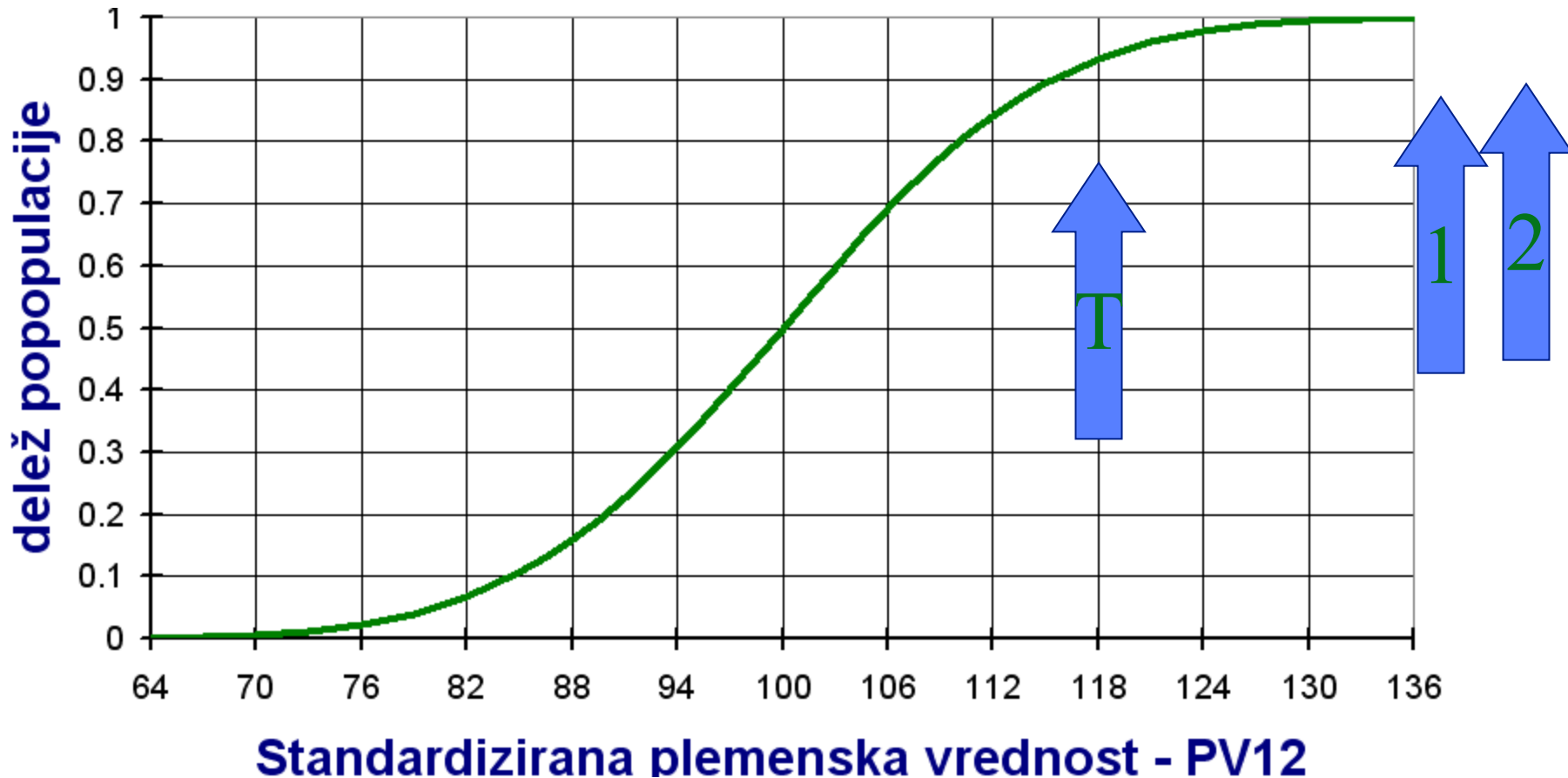
# bik MANER - mleko



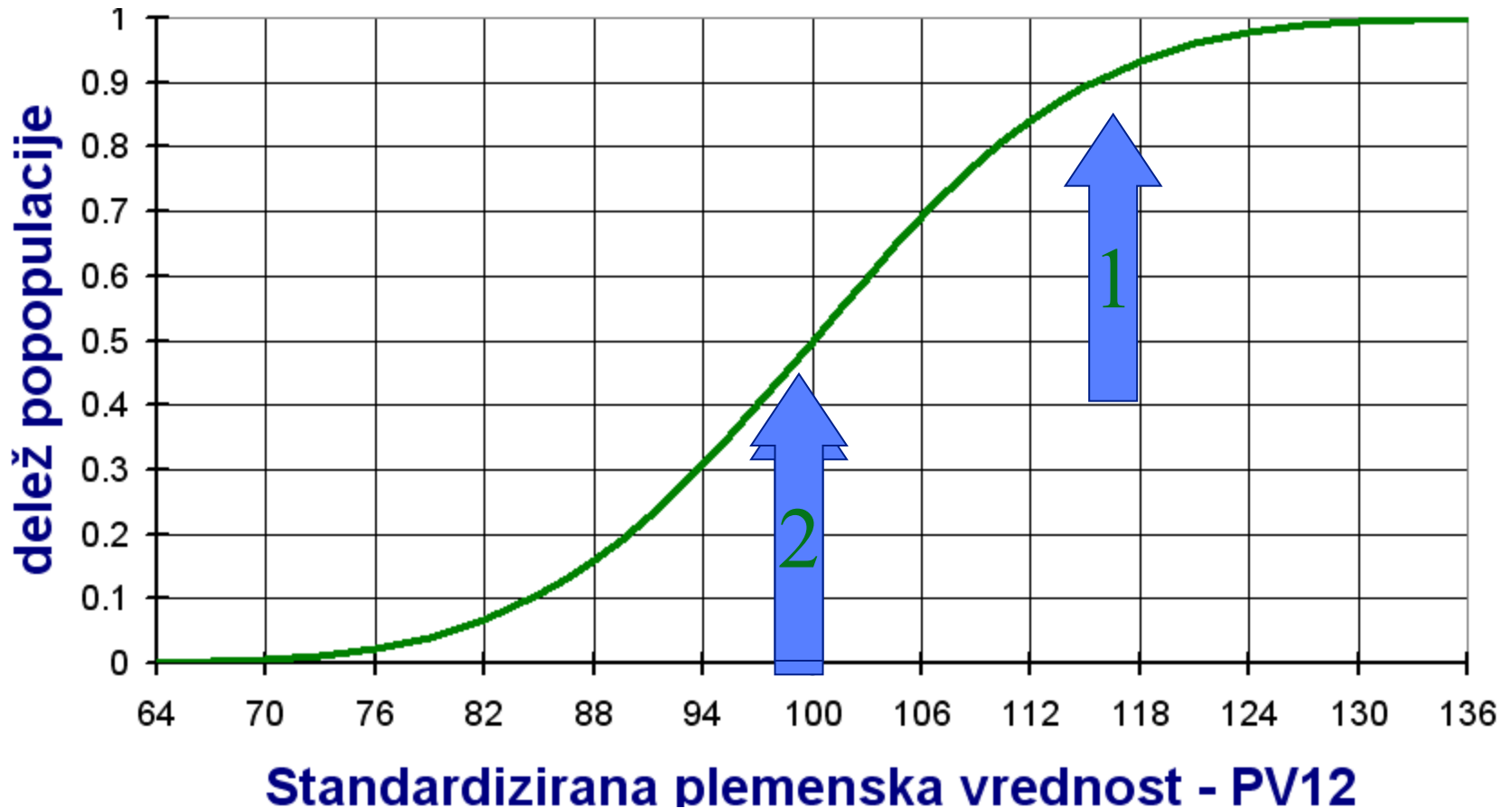
# bik MANER - meso



# bik GENOM - mleko



# bik GENOM - meso





# Zaključki

- \* Spremembe ekonomskih tež za izračun skupnih selekcijskih indeksov oz. agregatnega genotipa povzročijo:
  - ~ Majhne spremembe na nivoju populacije
  - ~ Prerangiranje posameznih živali
- \* Pri vsaki živali se spremembe v rangu:
  - ~ razlikujejo na velikost
  - ~ razlikujejo glede na smer