

Thesis Reports

S.Dehbod

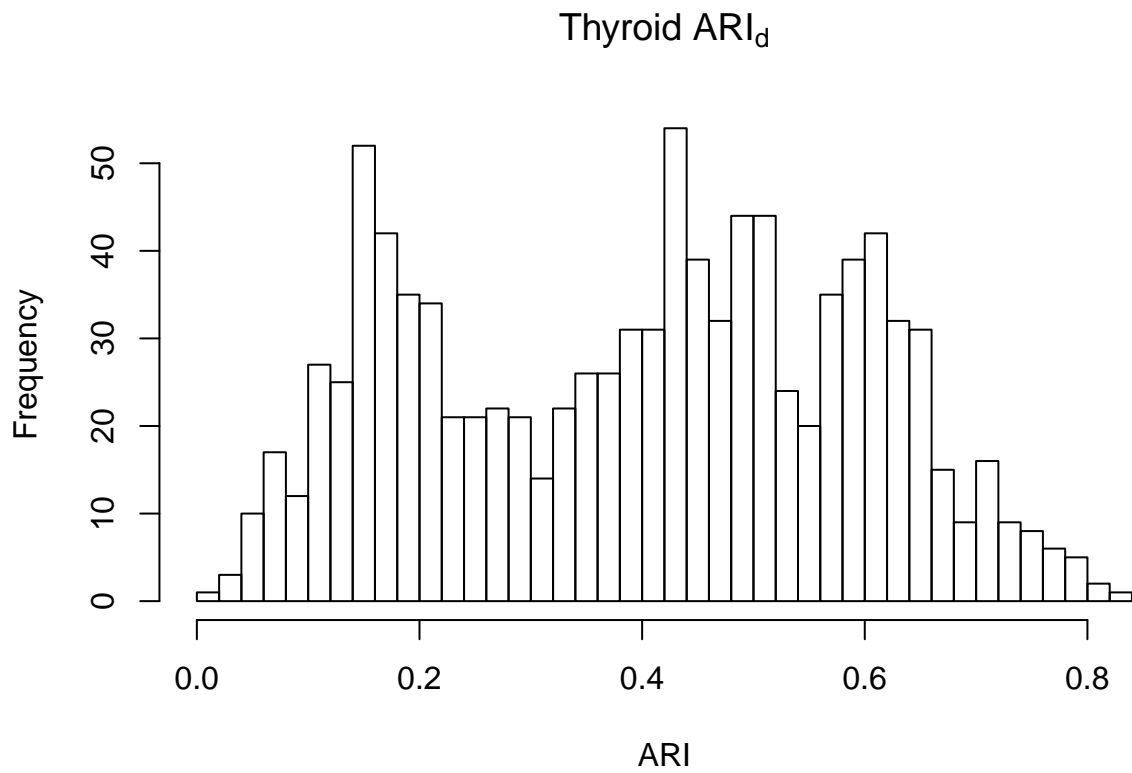
January 8, 2019

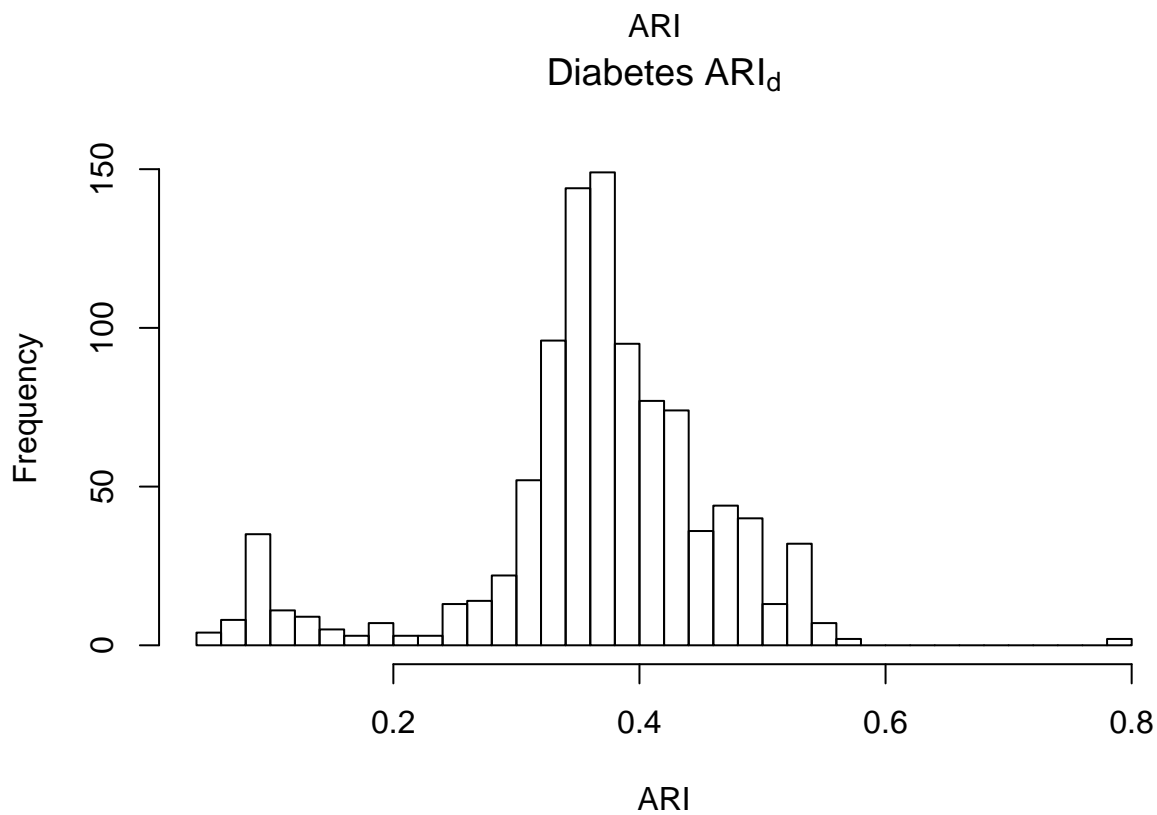
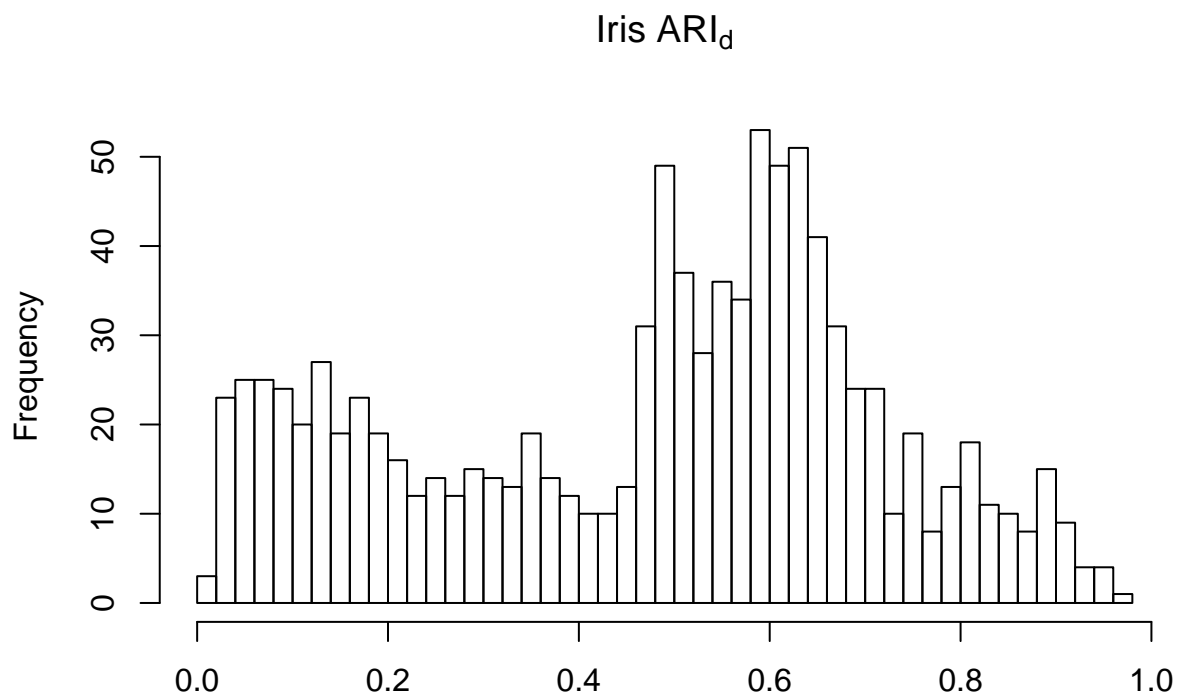
For $\alpha = 2$, $p(\text{reduced dimation}) = 2$

Tabel_A2D2

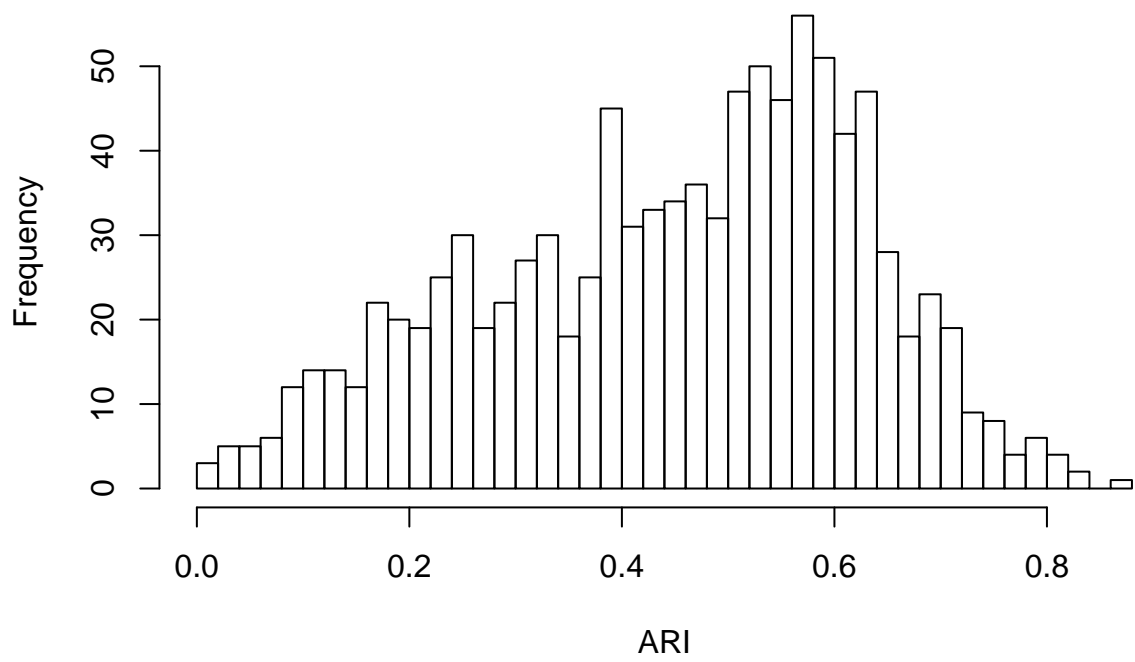
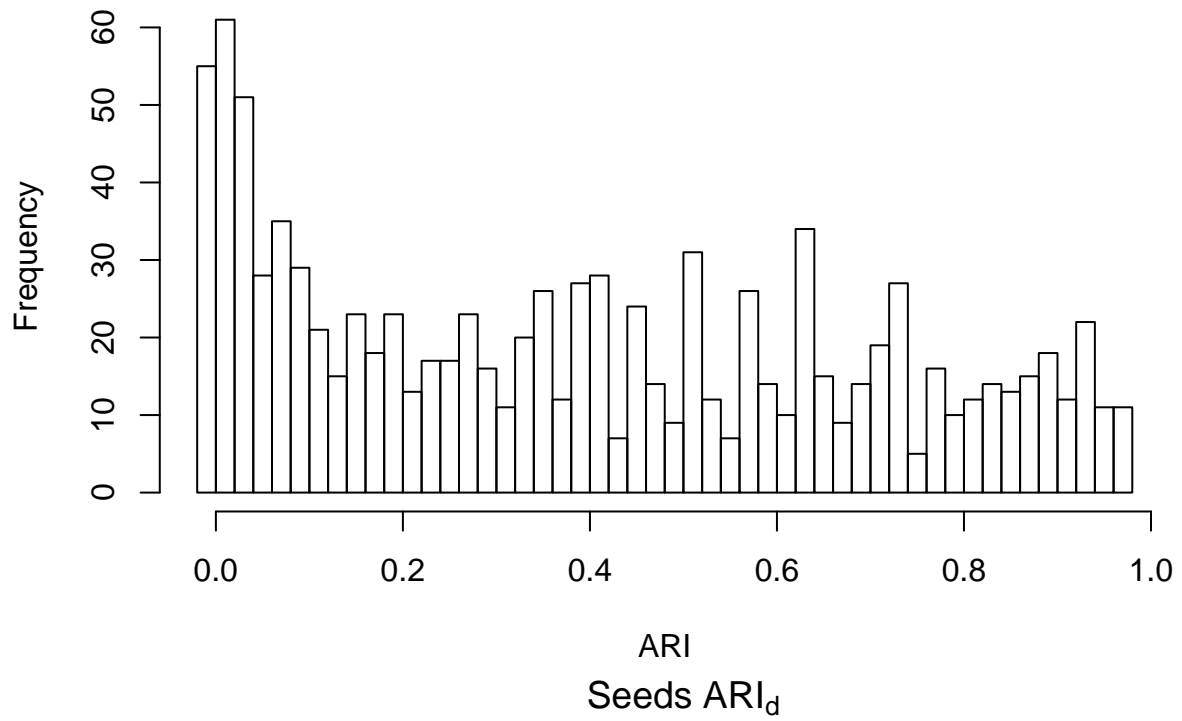
Dataset	ARI_d	ARI_p	C_e
Thyroid	0.5831656	0.3989981	-18
Iris	0.6201352	0.4710315	-15
Diabetes	0.3801662	0.3647537	-2
Swiss Banknotes	0.8456292	0.3880871	-46
Seeds	0.7732937	0.4482112	-33
Crabs	0.0481402	0.0439549	0
Mice Protein Expression	0.1316117	0.0657659	-7

Histograms

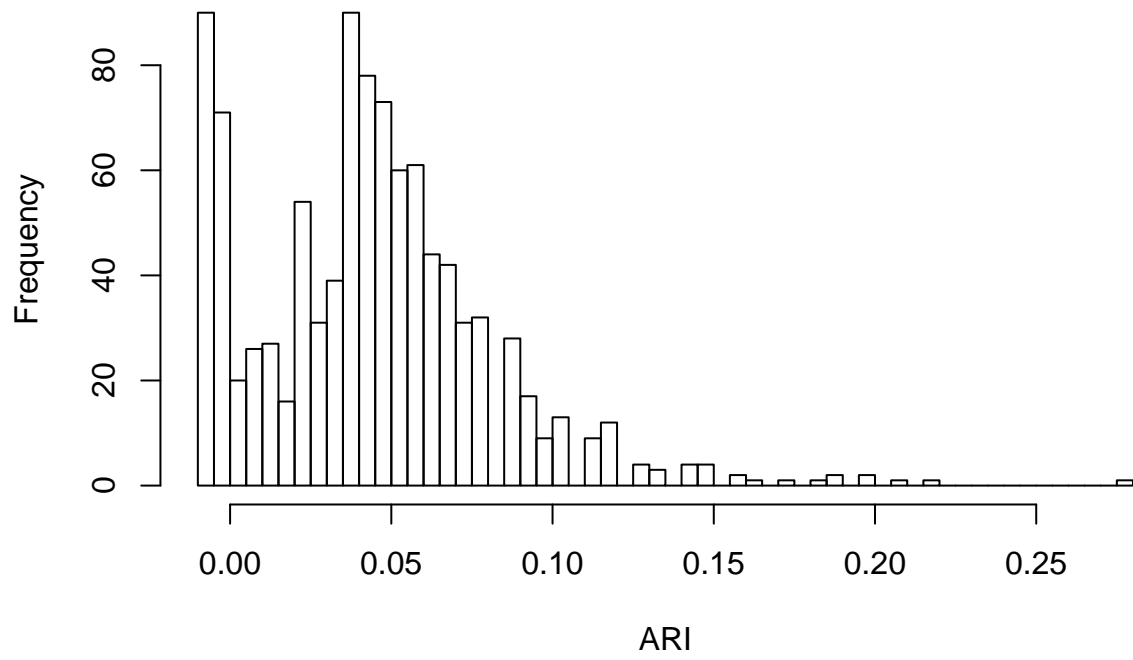




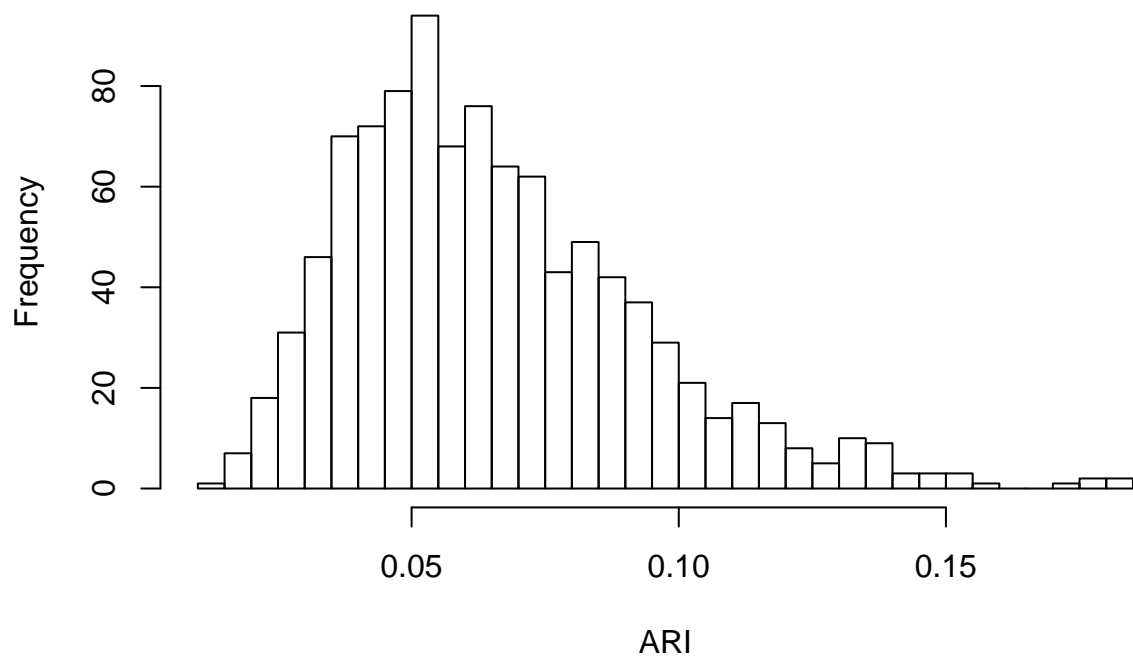
Swiss Banknotes ARI_d



Crabs ARI_d



Mice Protein Expression ARI_d

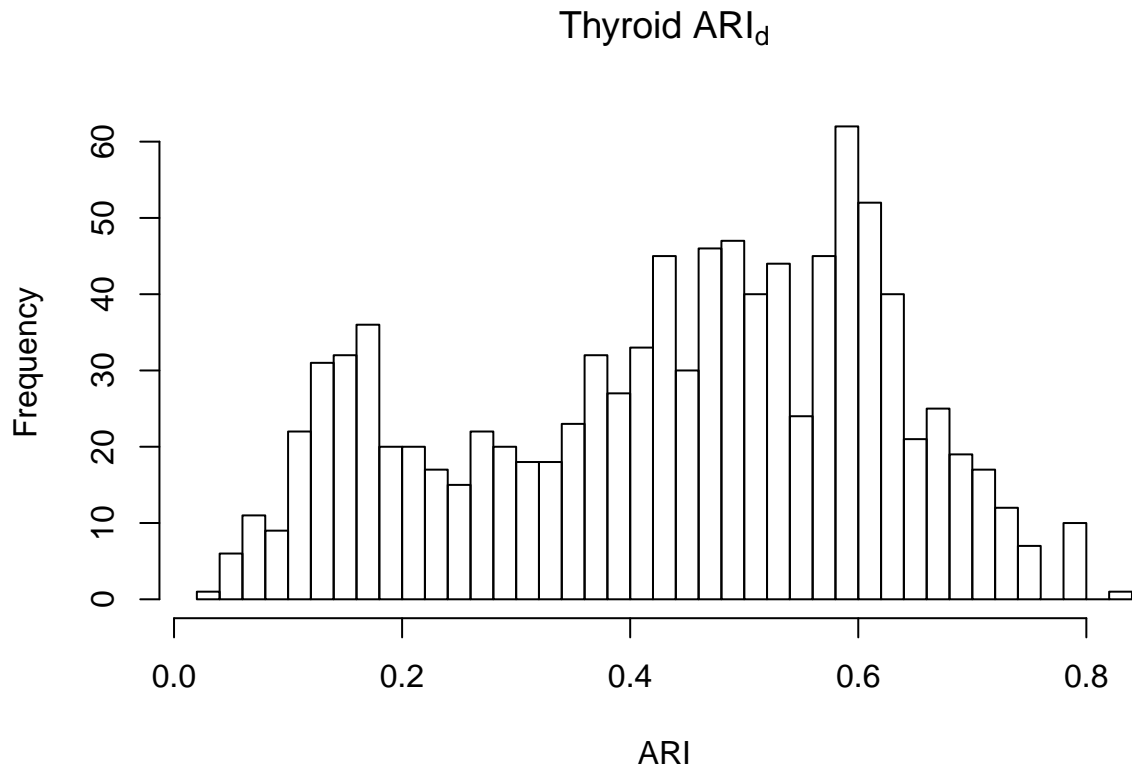


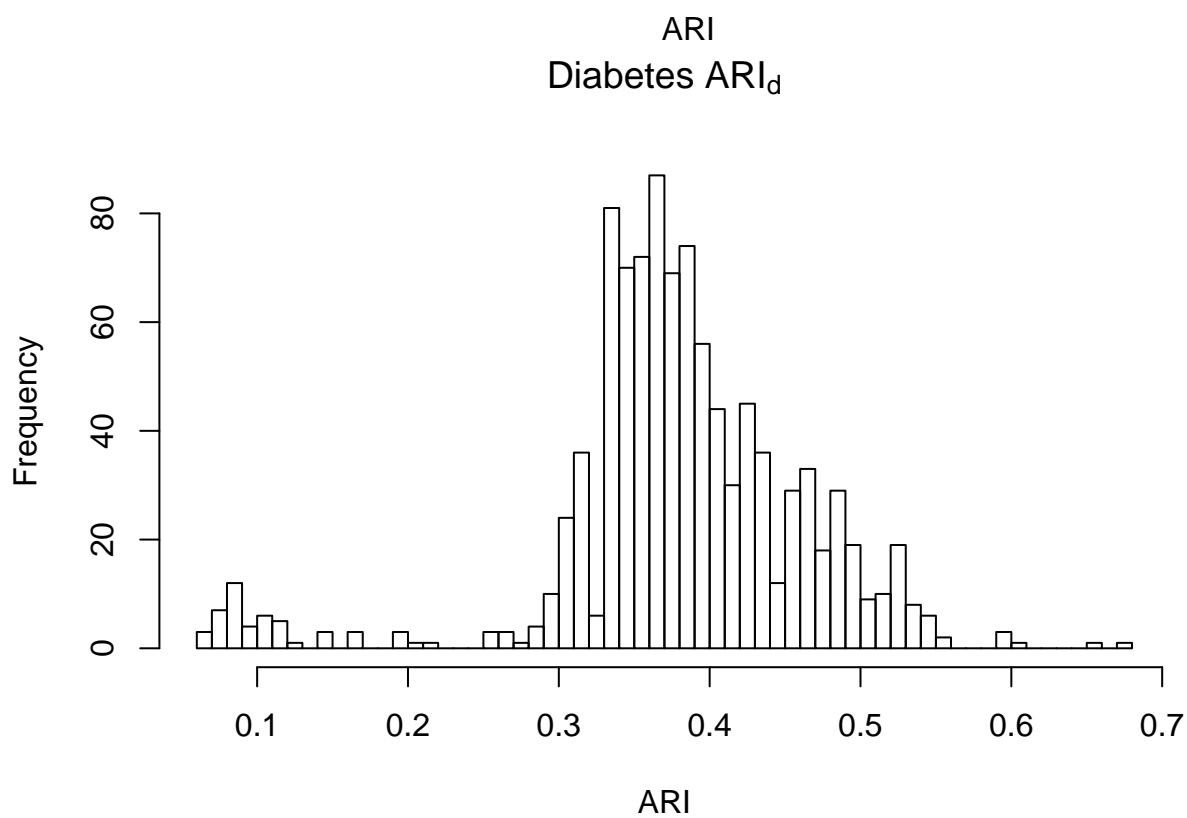
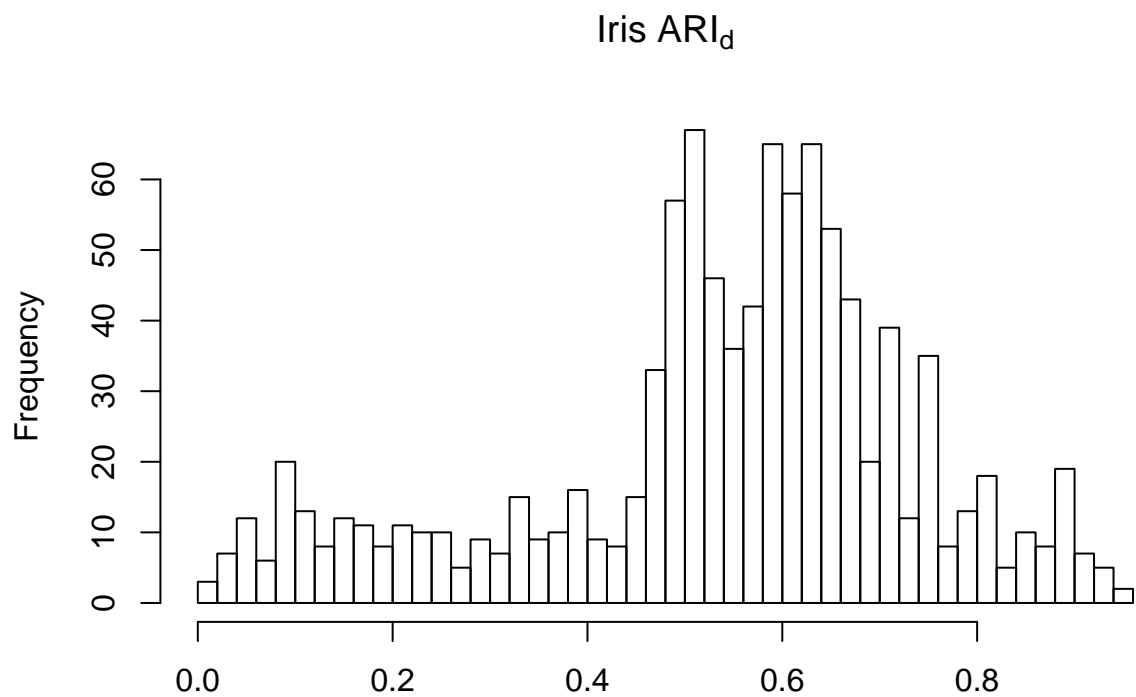
For $\alpha = 2$, $p(\text{reduced dimation}) = 3$

Tabel

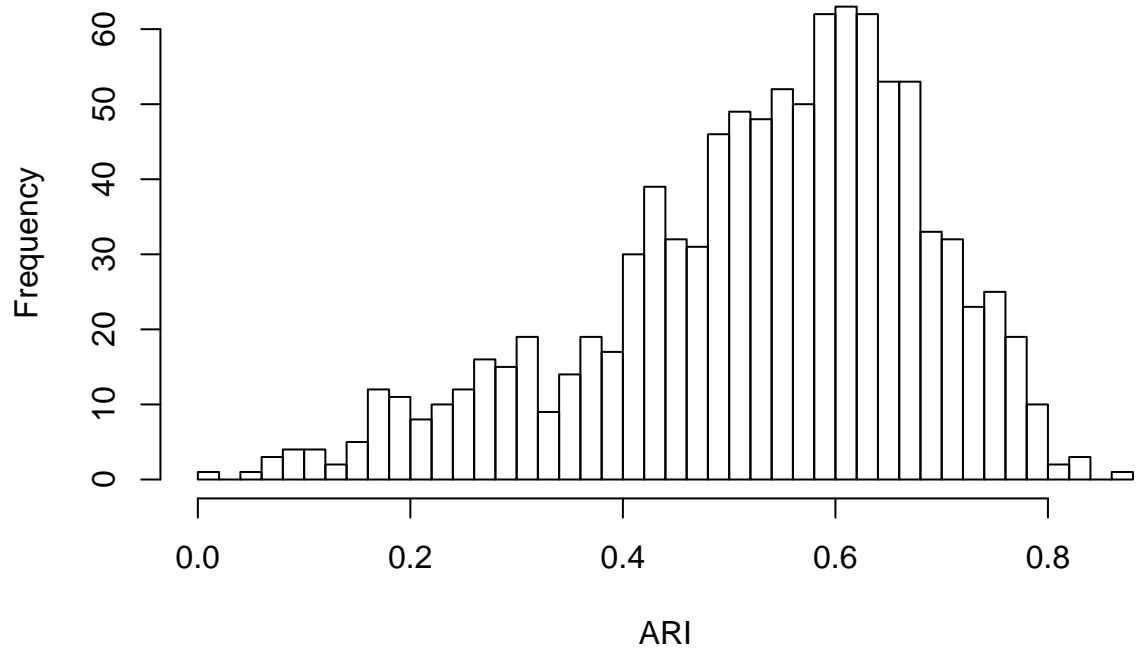
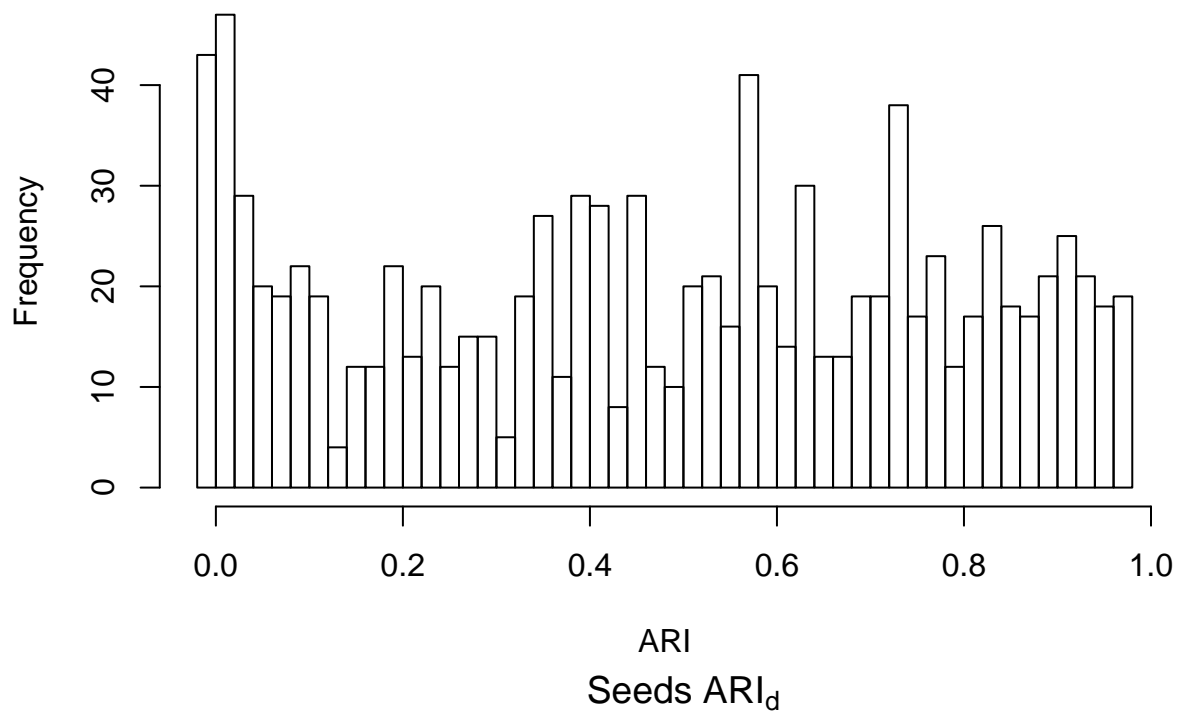
Dataset	ARI_d	ARI_p	C_e
Thyroid	0.5831656	0.4344288	-15
Iris	0.6201352	0.5359746	-8
Diabetes	0.3801662	0.3805076	0
Swiss Banknotes	0.8456292	0.4714675	-37
Seeds	0.7732937	0.5299329	-24
Mice Protein Expression	0.1316575	0.0814613	-5
Crabs	0.0481402	0.0485252	0

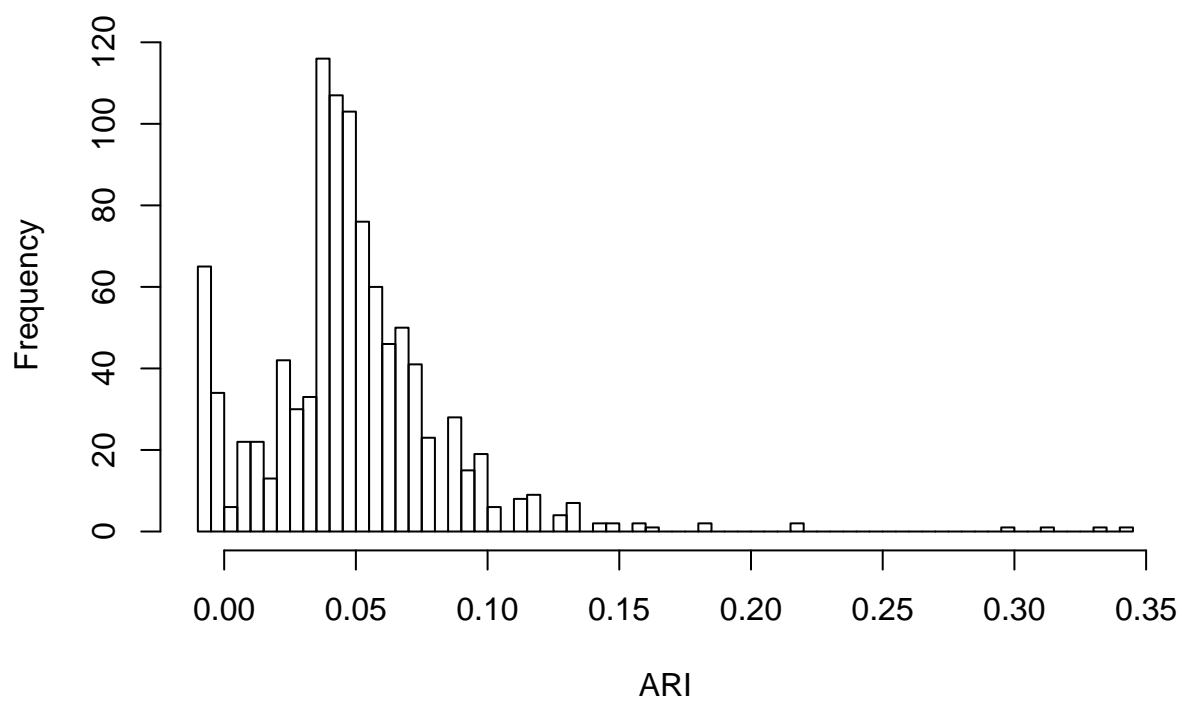
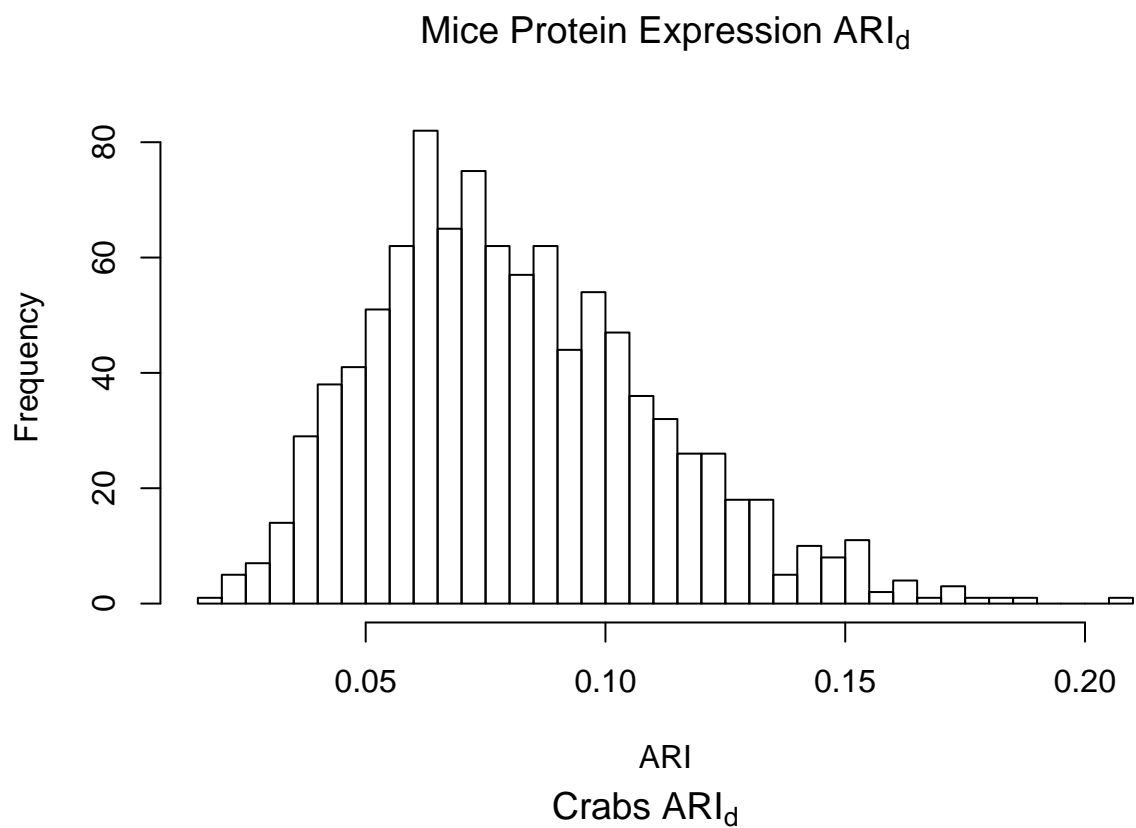
Histograms





Swiss Banknotes ARI_d



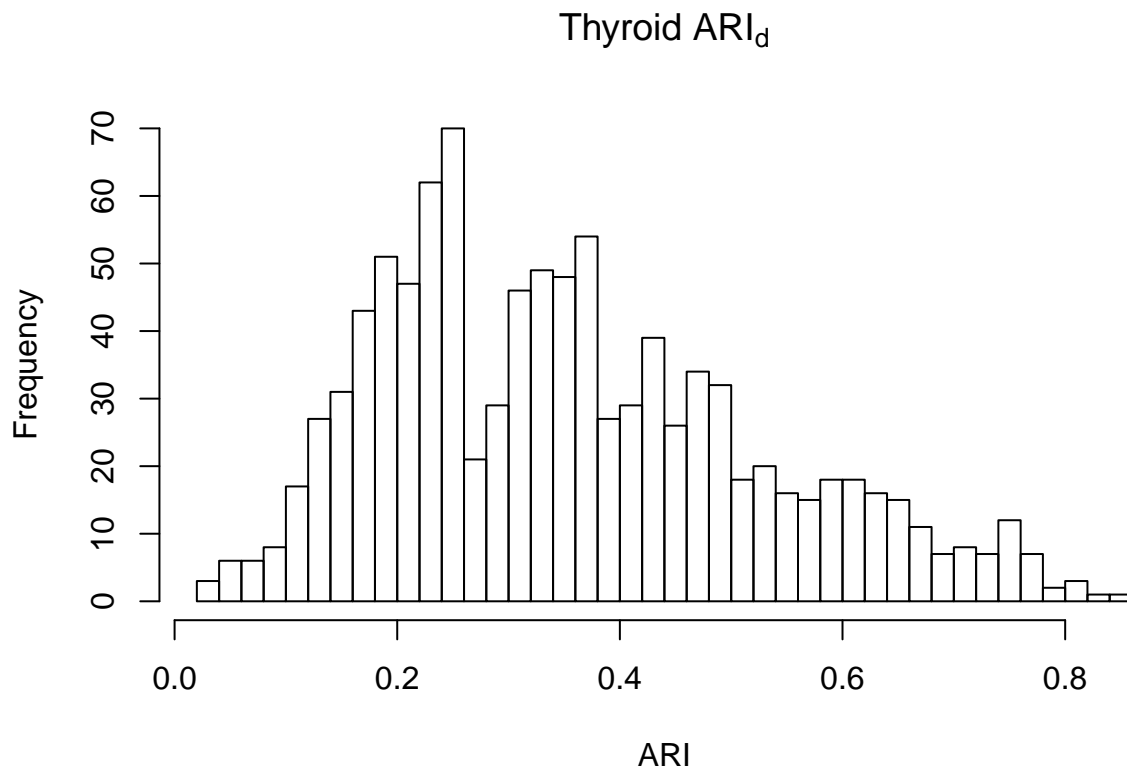


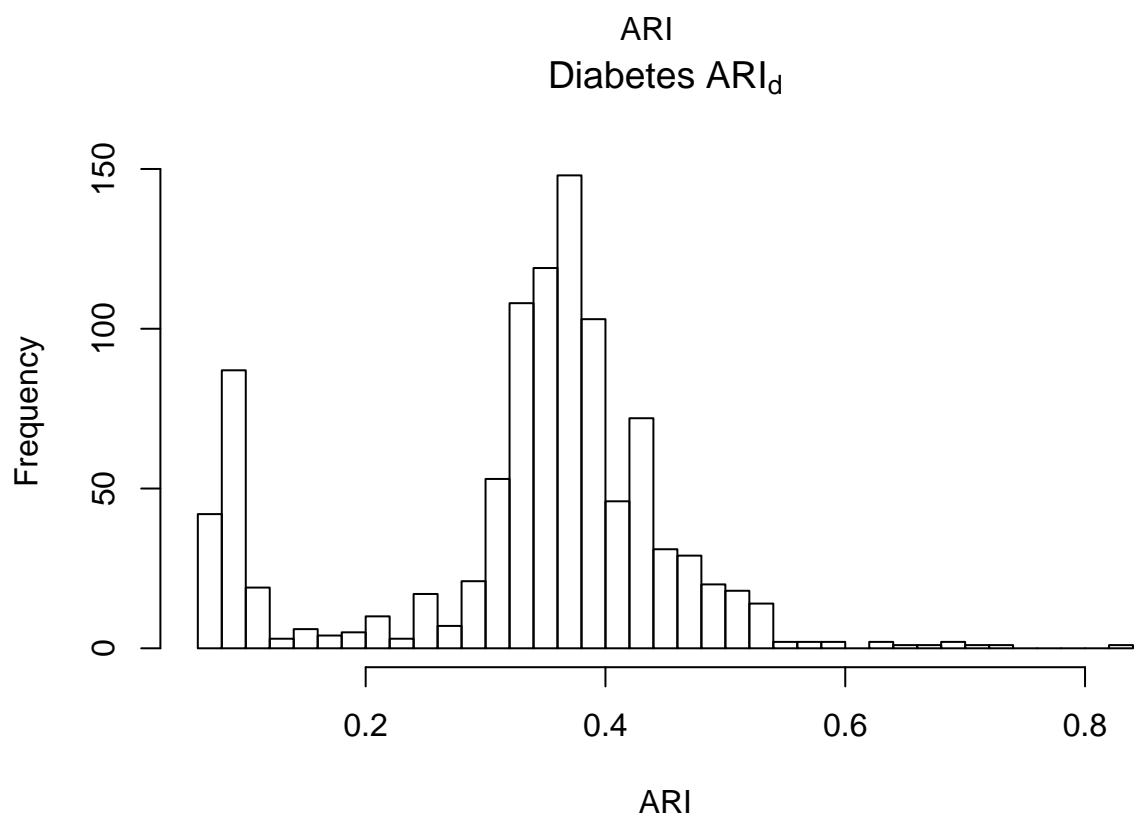
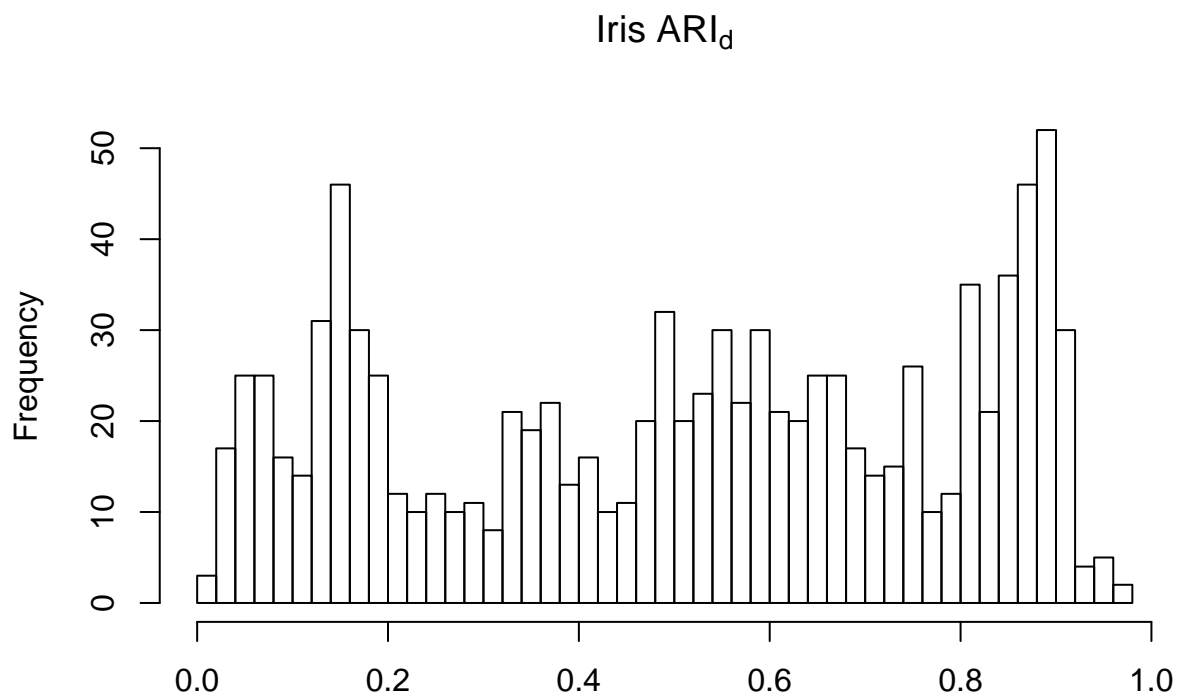
For $\alpha = 1$, $p(\text{reduced dimation}) = 2$

Tabel

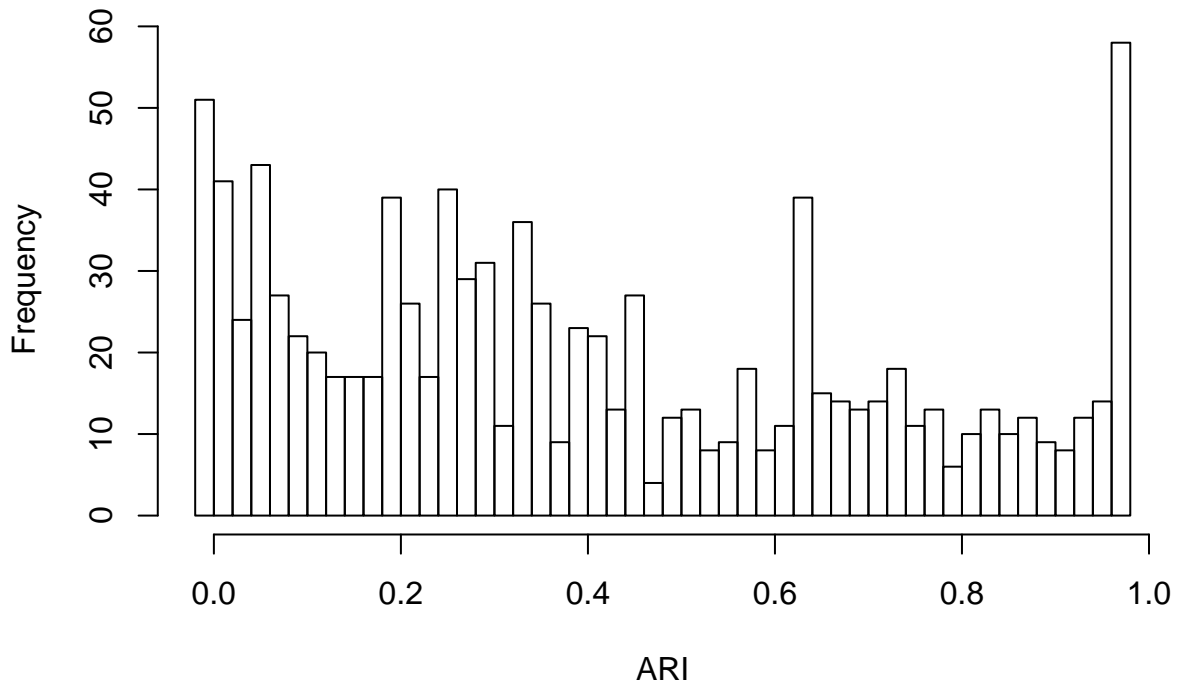
Dataset	ARI_d	ARI_p	C_e
Thyroid	0.5831656	0.3559301	-23
Iris	0.6201352	0.5078172	-11
Diabetes	0.3801662	0.3341399	-5
Swiss Banknotes	0.8456292	0.4011119	-44
Seeds	0.7732937	0.4488349	-32
Mice Protein Expression	0.1317342	0.0592468	-7
Crabs	0.0481402	0.0469365	0

Histograms

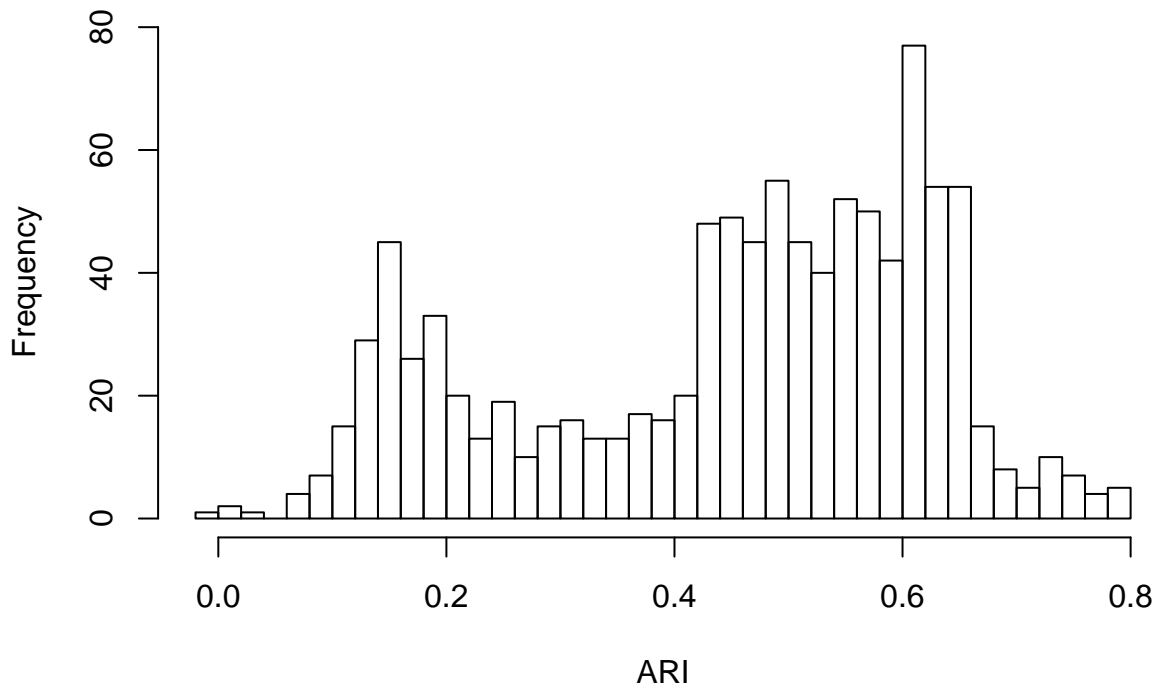


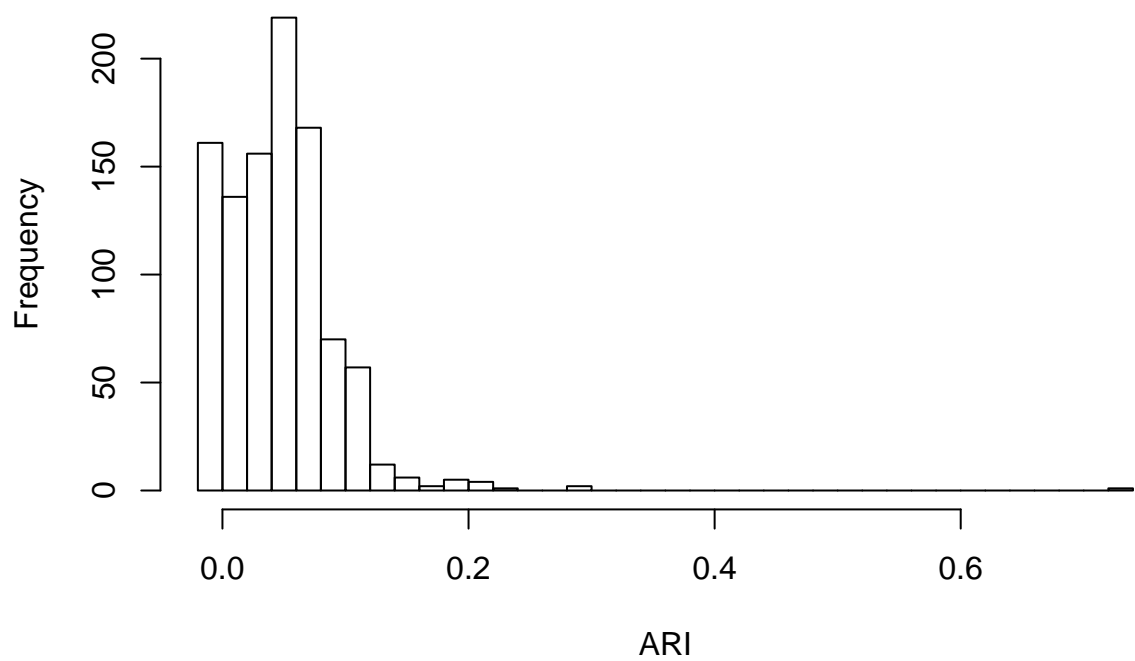
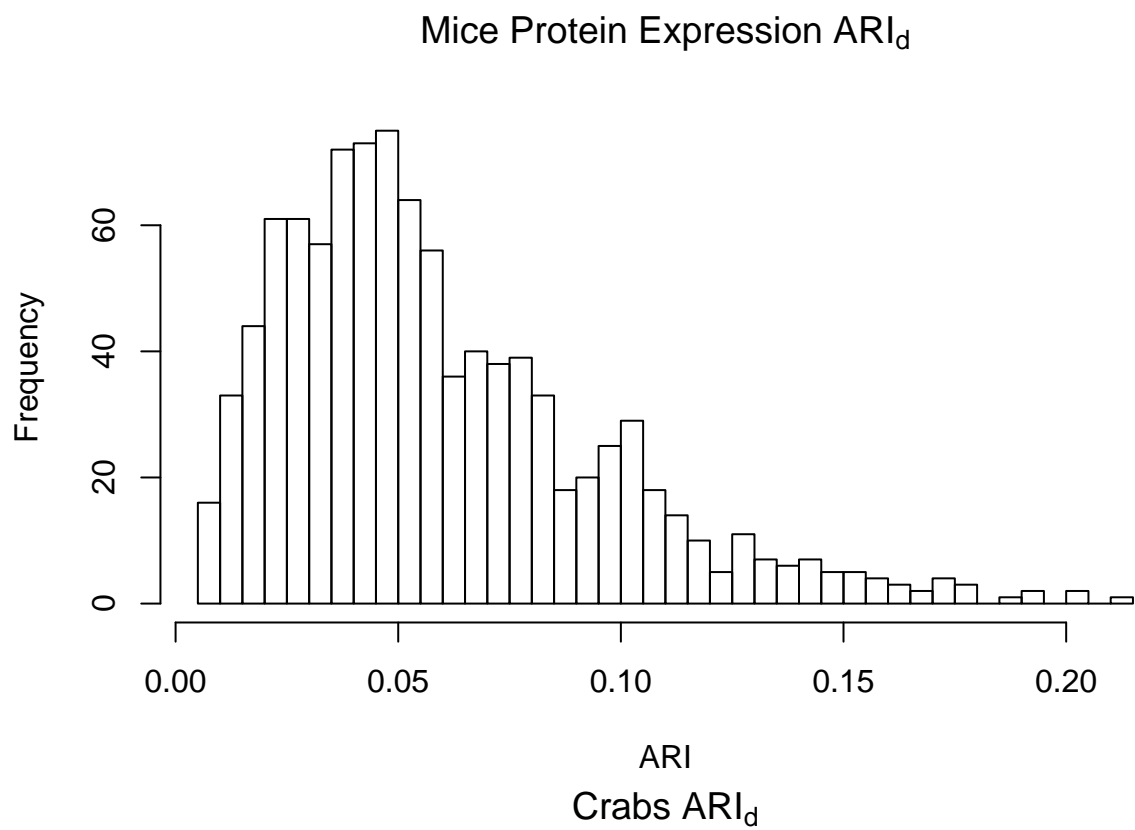


Swiss Banknotes ARI_d



Seeds ARI_d



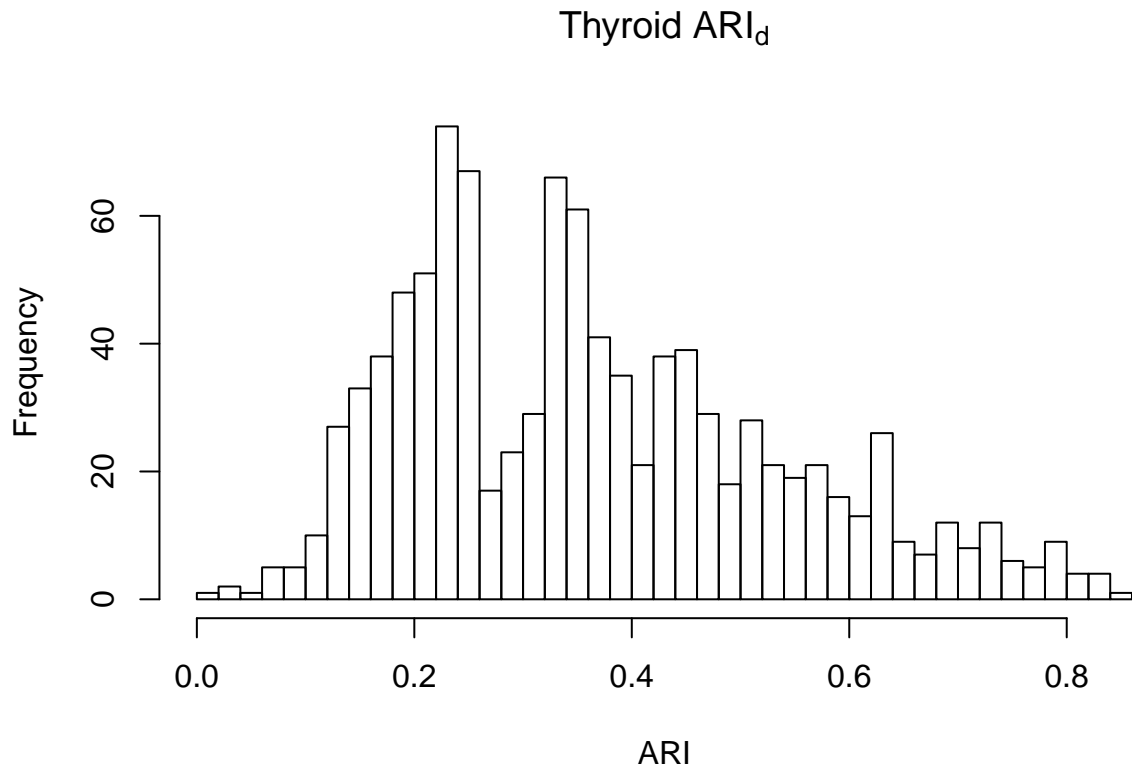


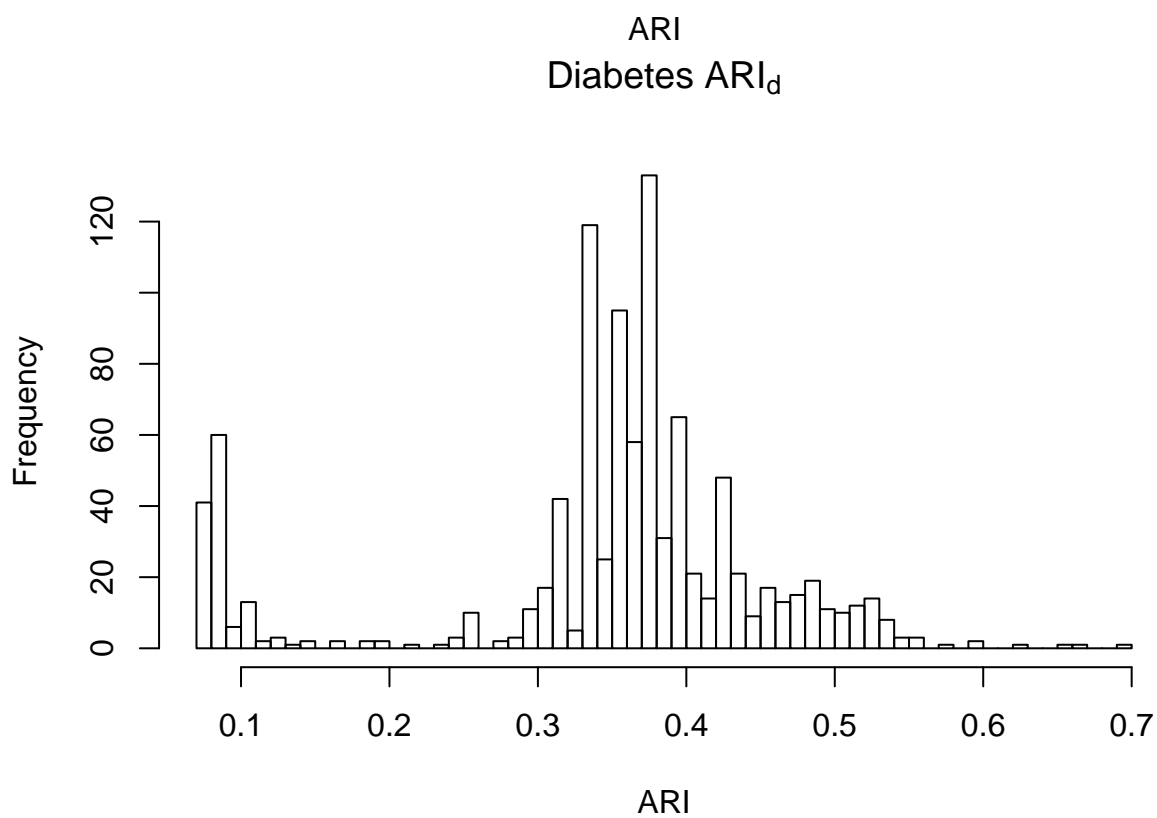
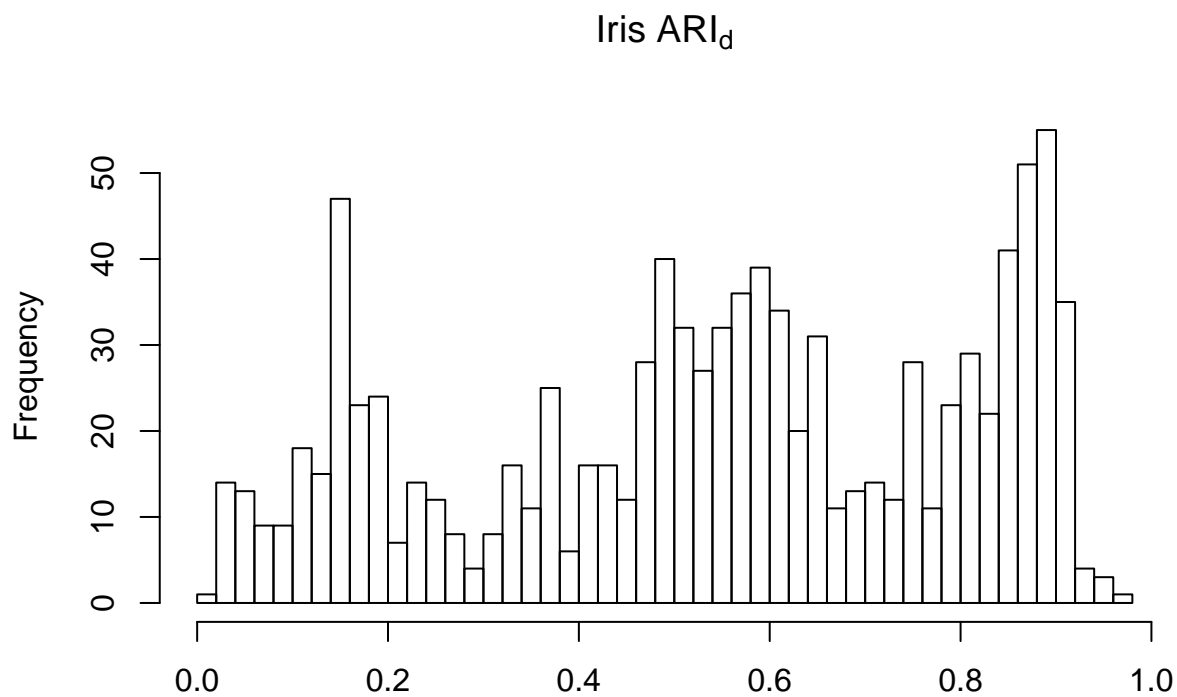
For $\alpha = 1$, $p(\text{reduced dimation}) = 3$

Tabel

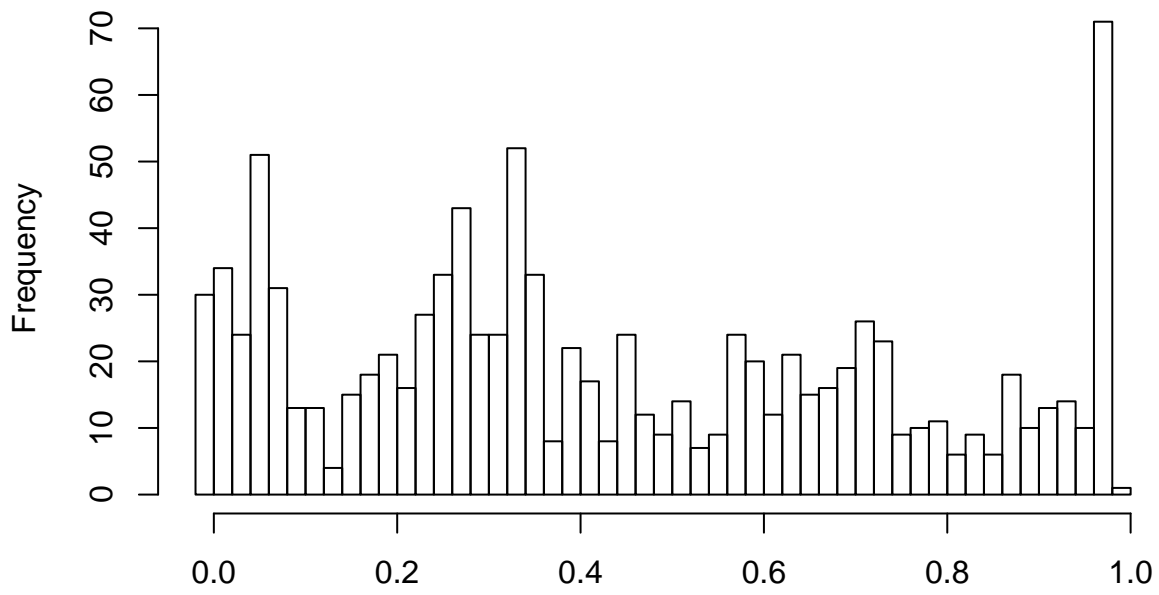
Dataset	ARI_d	ARI_p	C_e
Thyroid	0.5831656	0.3658900	-22
Iris	0.6201352	0.5441285	-8
Diabetes	0.3801662	0.3460760	-3
Swiss Banknotes	0.8456292	0.4330544	-41
Seeds	0.7732937	0.4697687	-30
Mice Protein Expression	0.1317362	0.0659775	-7
Crabs	0.0481402	0.0452313	0

Histograms

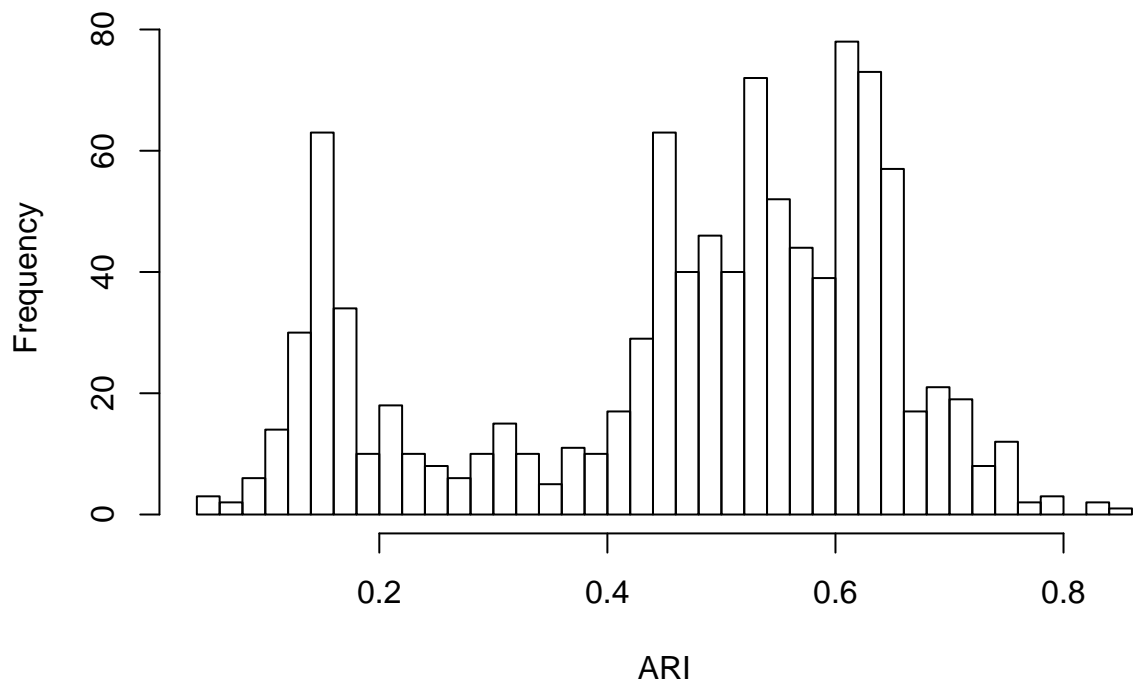


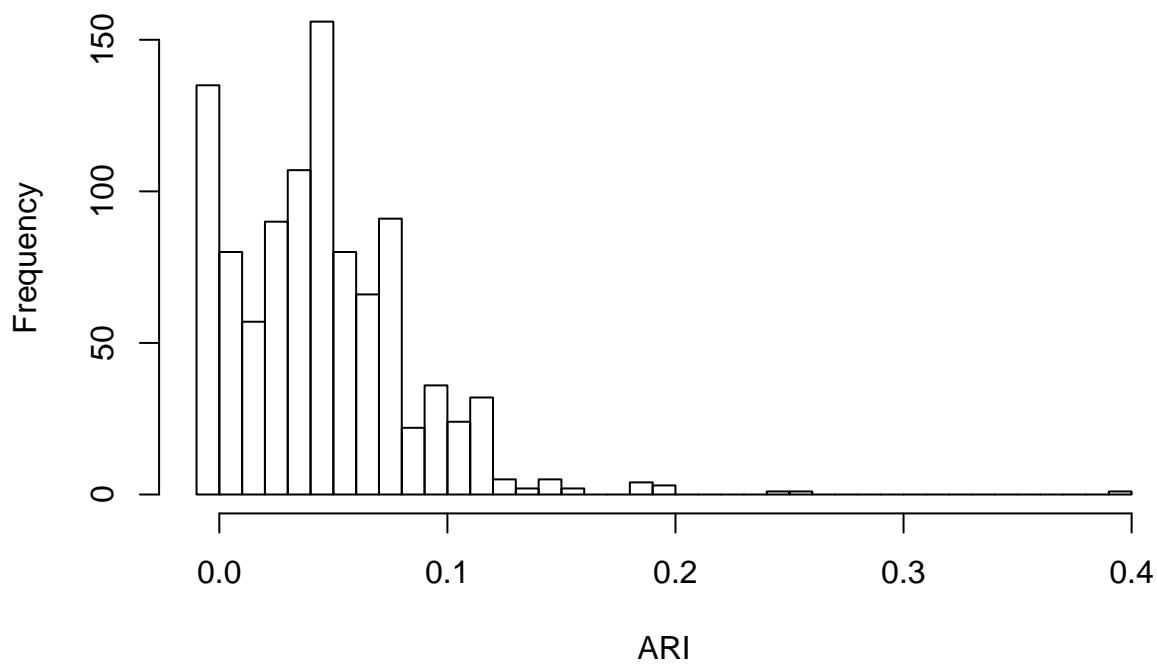
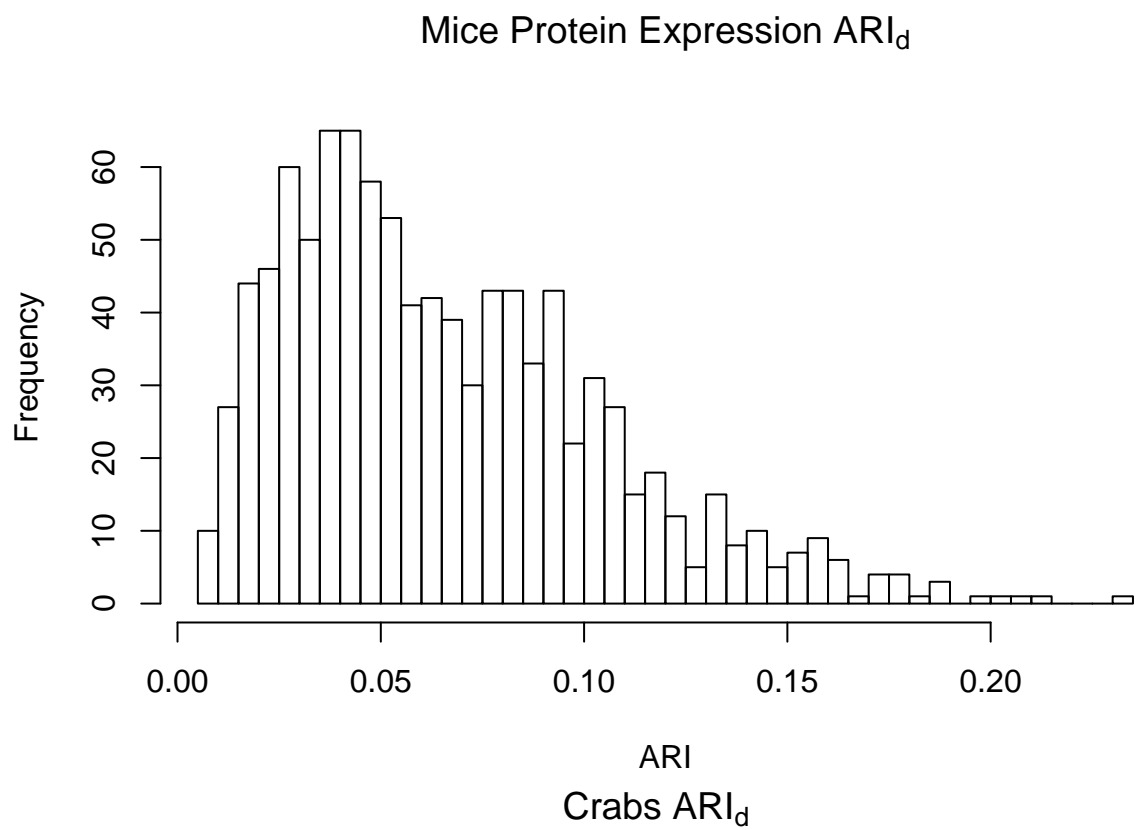


Swiss Banknotes ARI_d



ARI
Seeds ARI_d



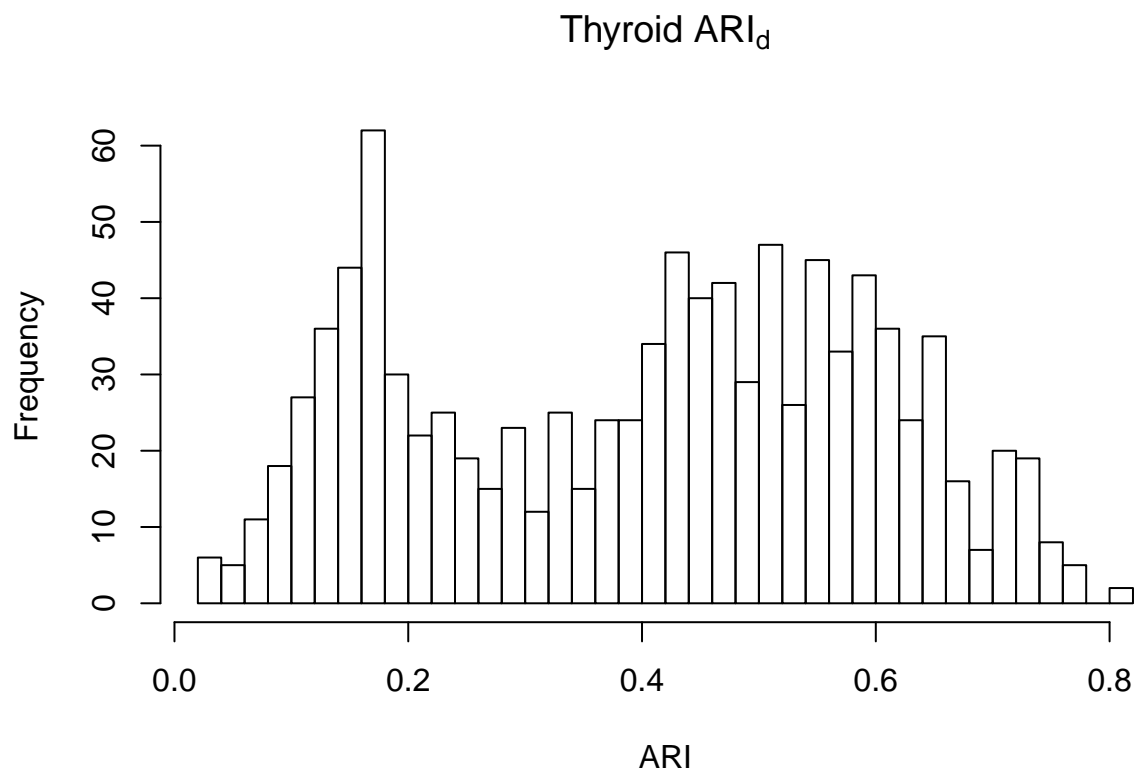


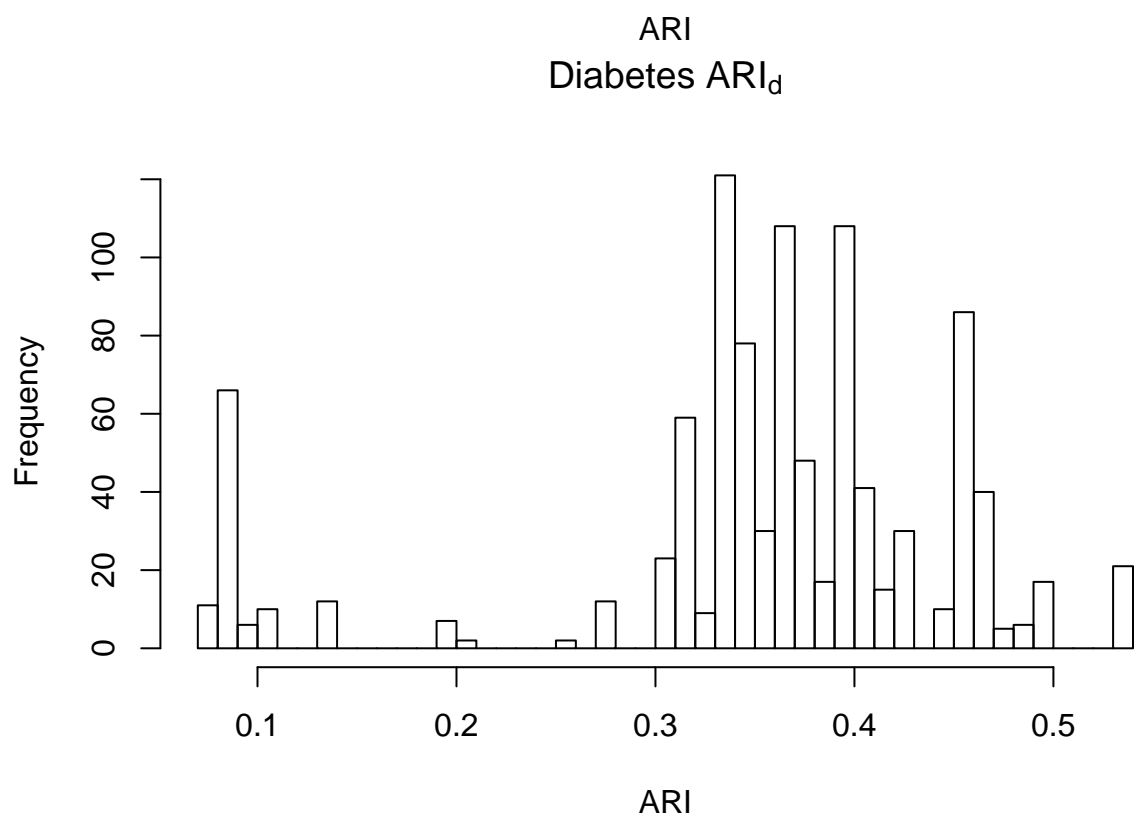
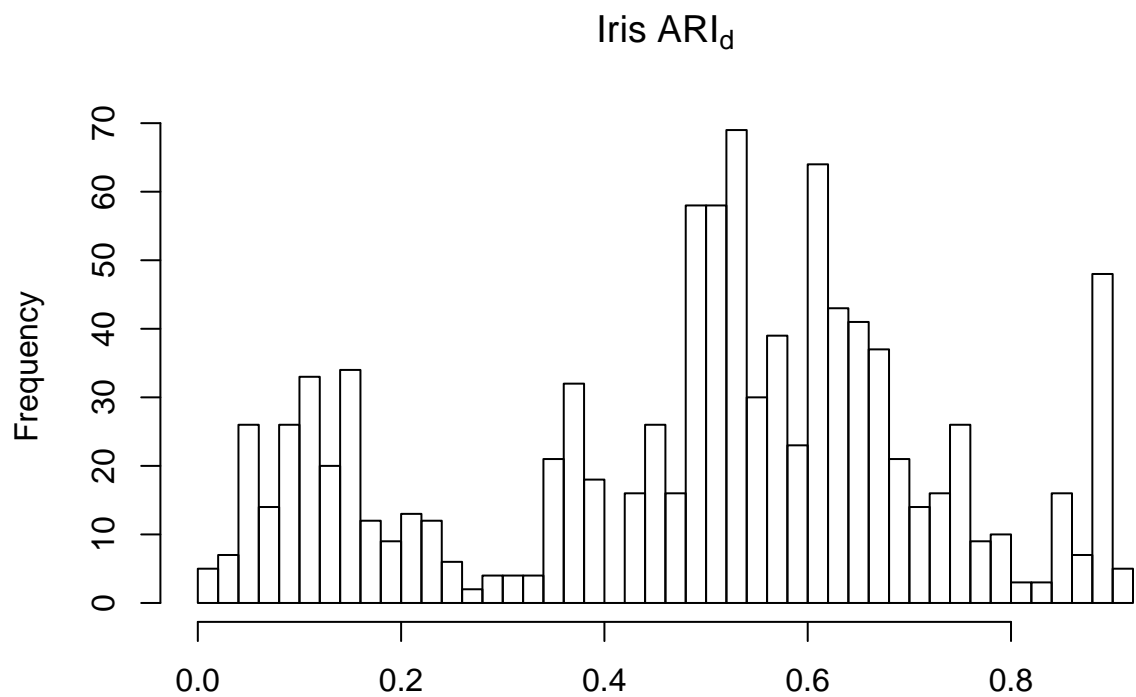
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Tabel

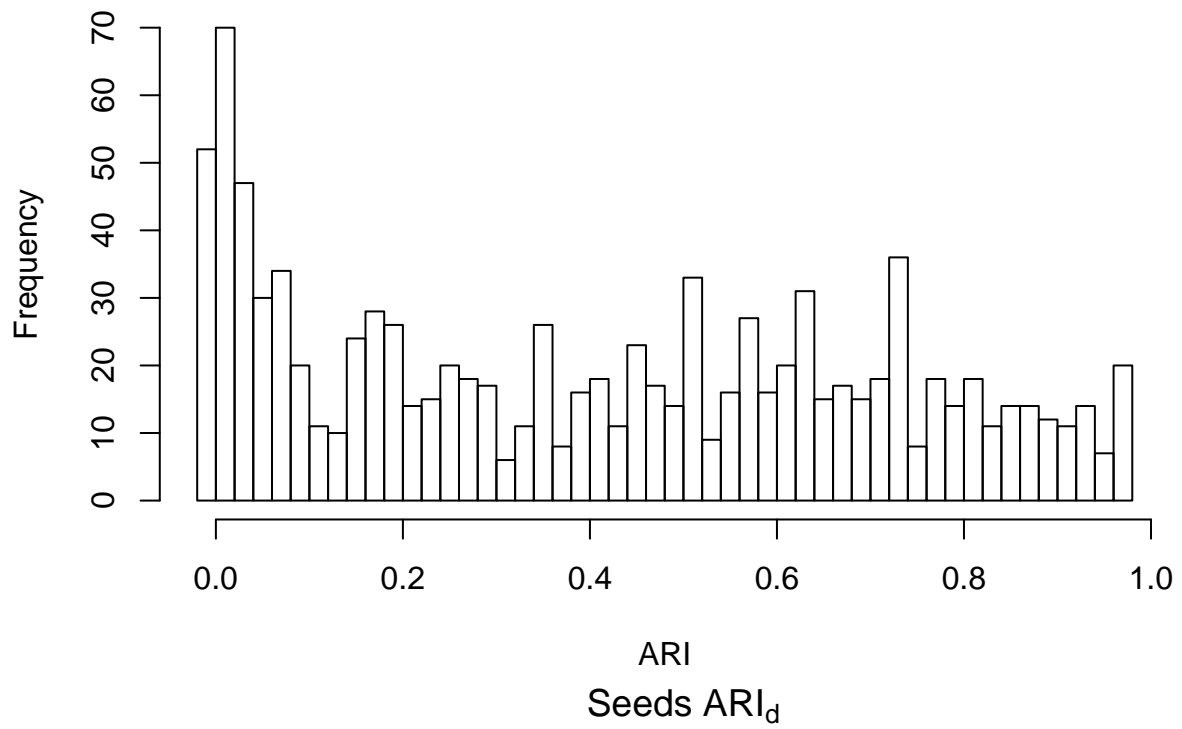
Dataset	ARI_d	ARI_p	C_e
Thyroid	0.5831656	0.4016237	-18
Iris	0.6201352	0.4890477	-13
Diabetes	0.3801662	0.3515435	-3
Swiss Banknotes	0.8456292	0.4012454	-44
Seeds	0.7732937	0.4459104	-33
Mice Protein Expression	0.1314435	0.0647088	-7
Crabs	0.0481402	0.0467305	0

Histograms

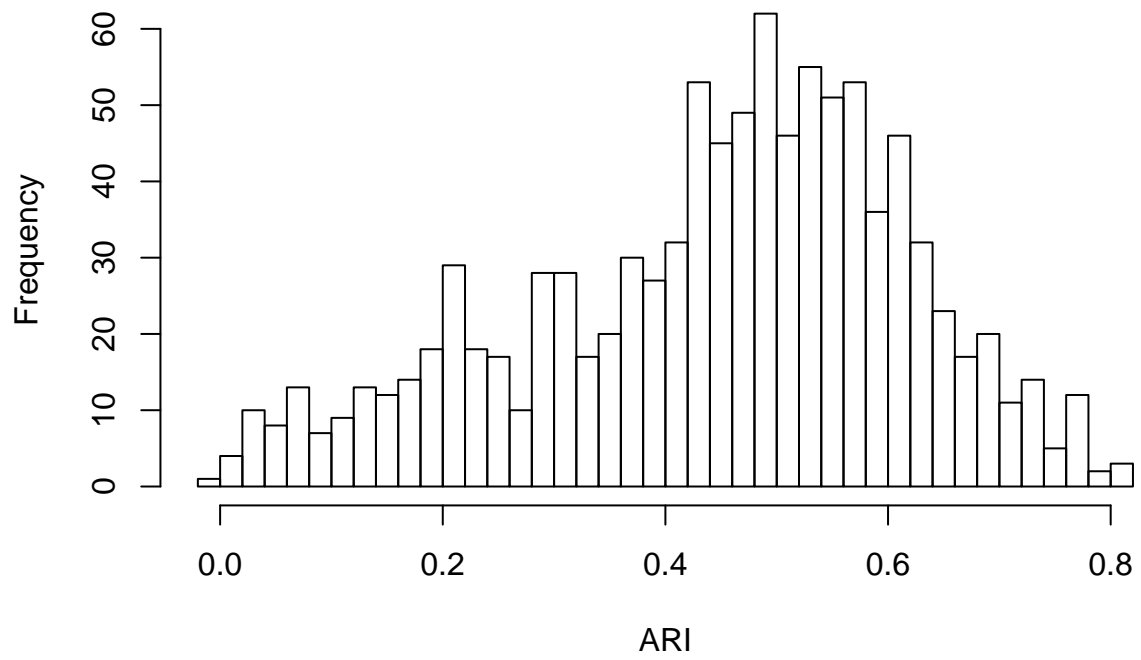


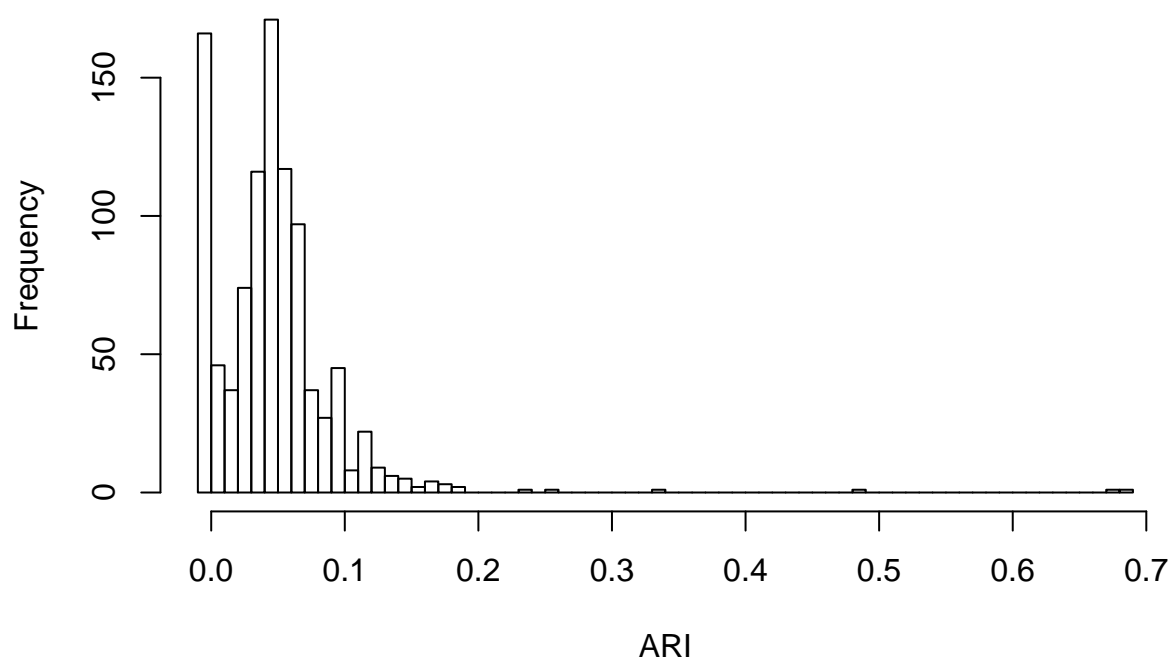
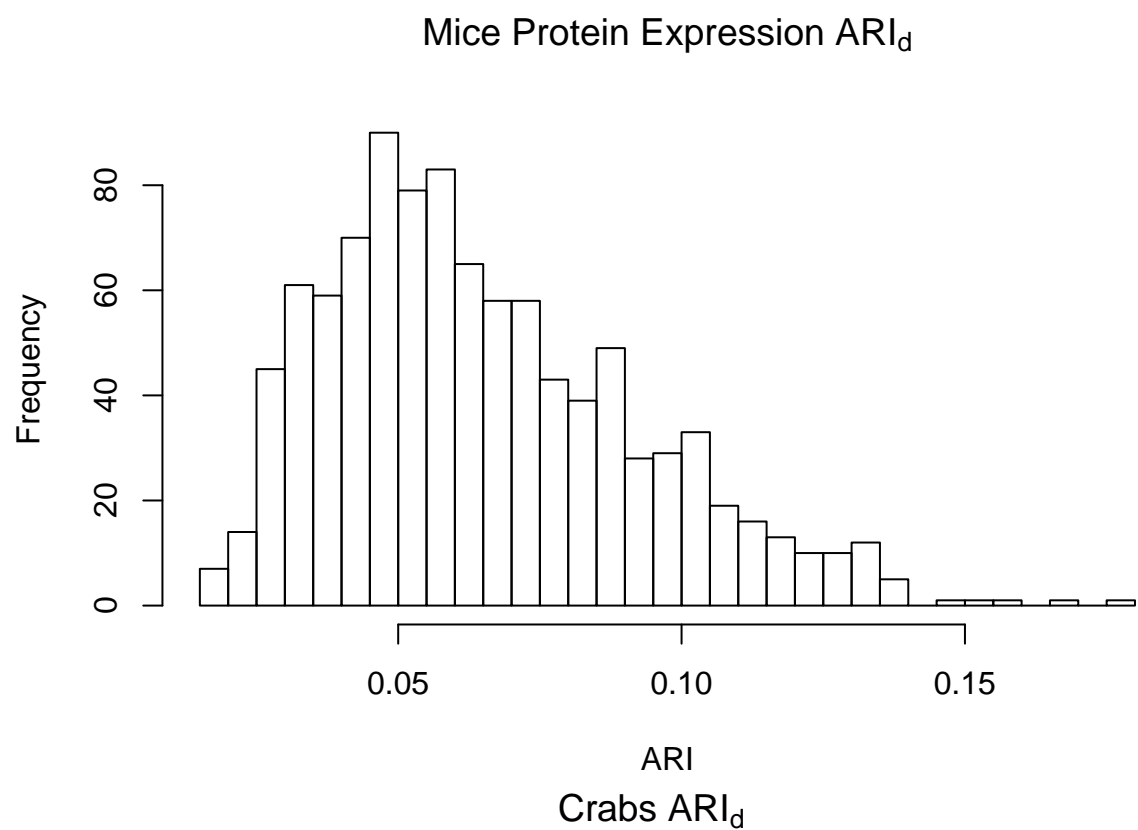


Swiss Banknotes ARI_d



Seeds ARI_d



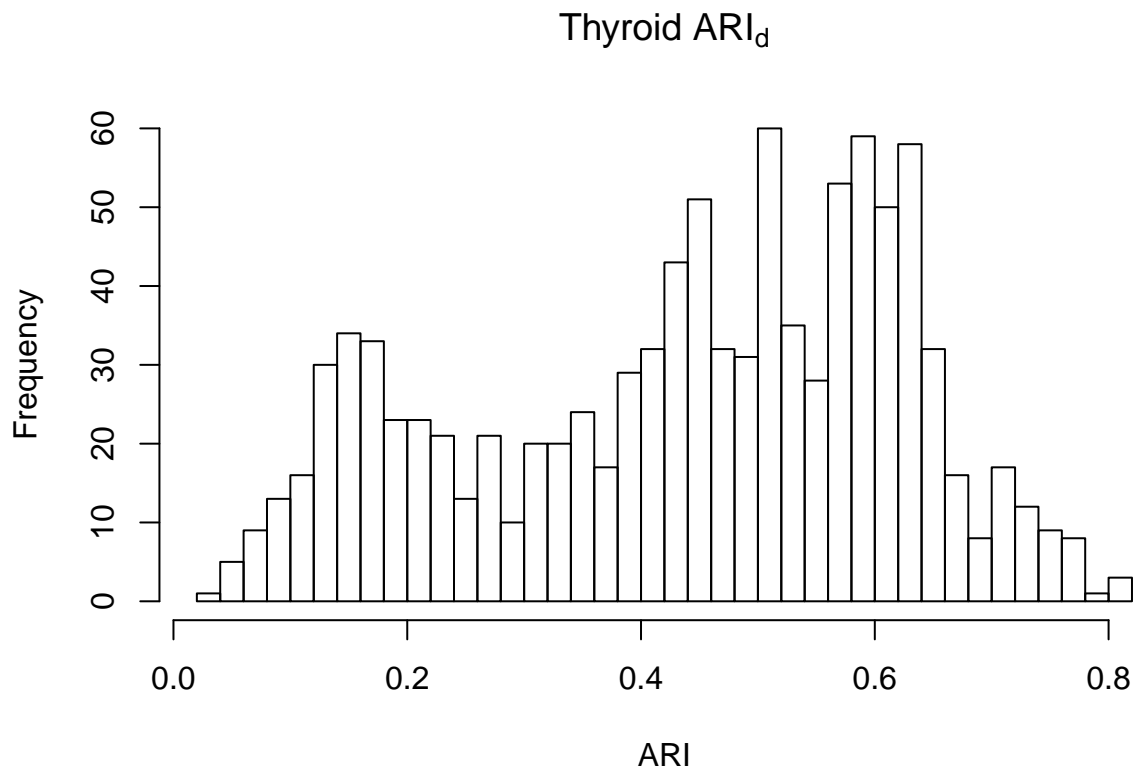


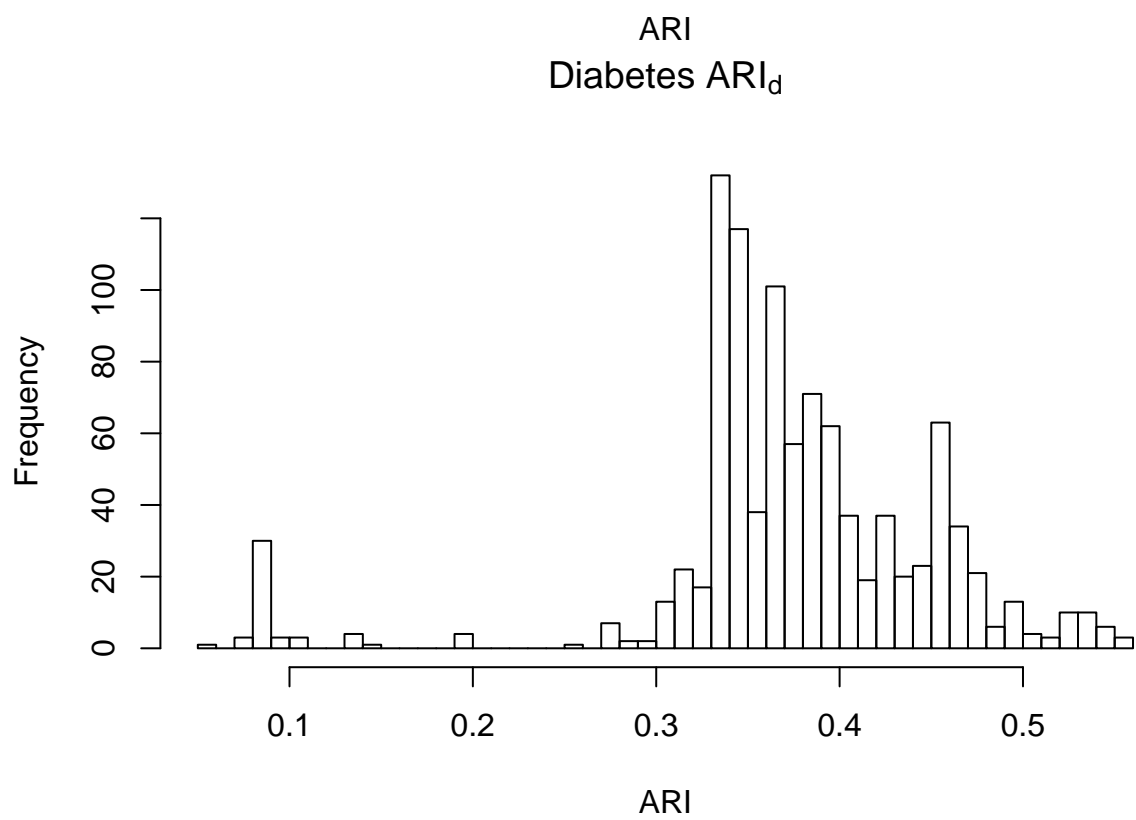
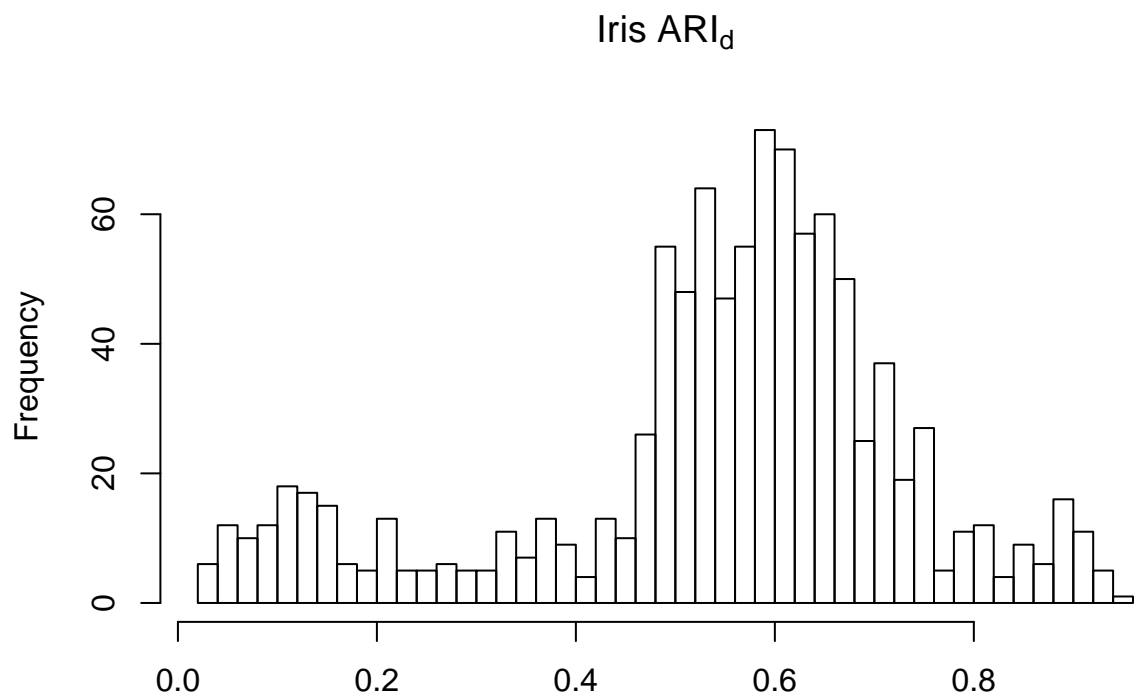
For $s = 2$, $p(\text{reduced dimention}) = 2$

Tabel

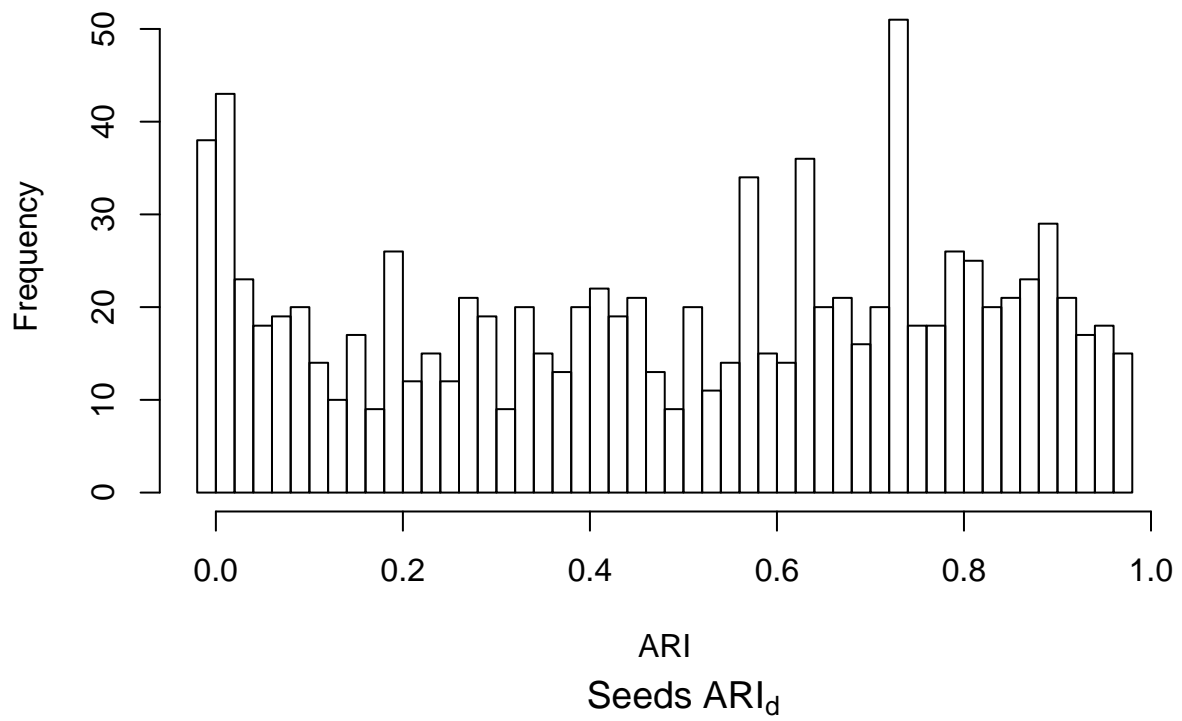
Dataset	ARI_d	ARI_p	C_e
Thyroid	0.5831656	0.4386178	-14
Iris	0.6201352	0.5410759	-8
Diabetes	0.3801662	0.3735668	-1
Swiss Banknotes	0.8456292	0.4881694	-36
Seeds	0.7732937	0.5289697	-24
Mice Protein Expression	0.1314406	0.0798832	-5
Crabs	0.0481402	0.0463655	0

Histograms

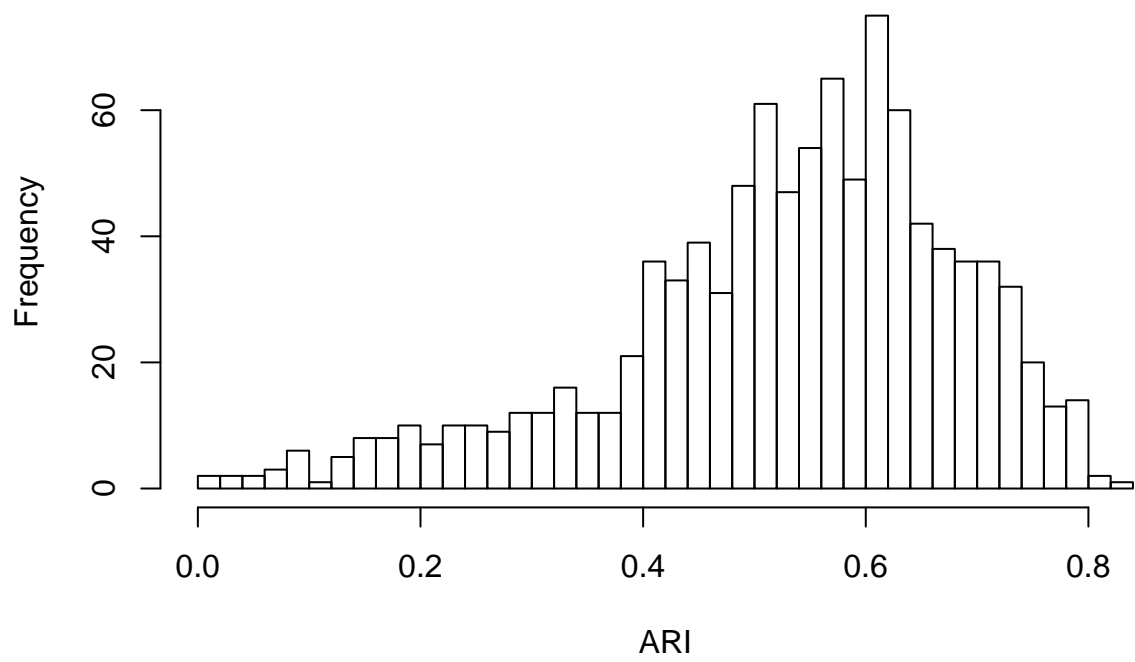


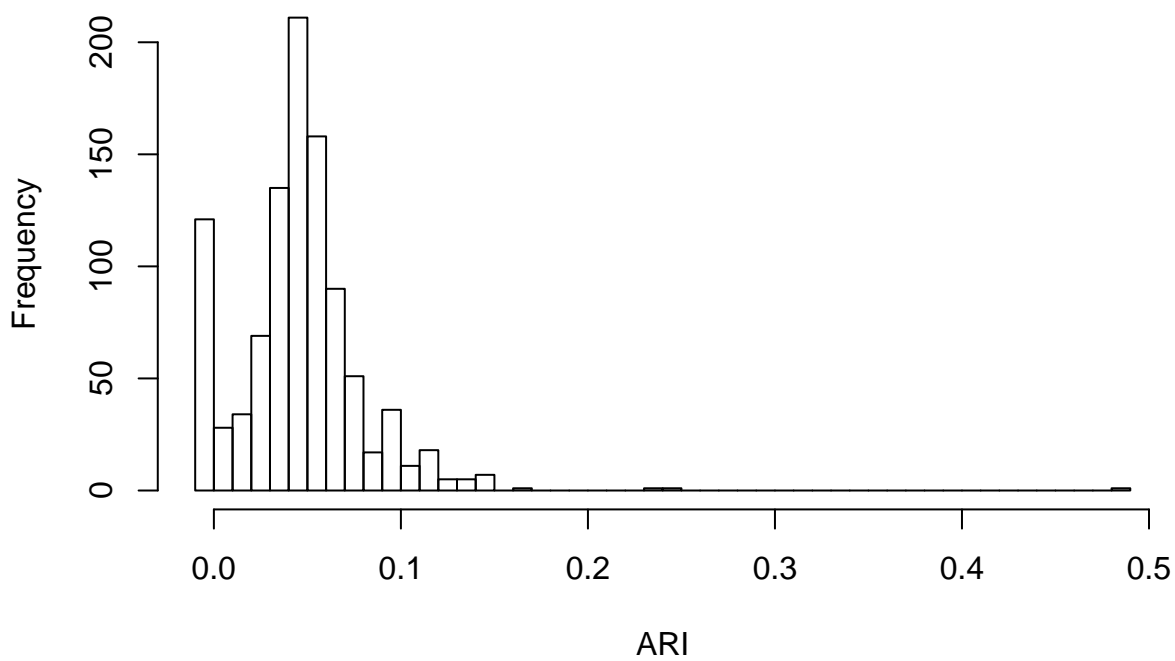
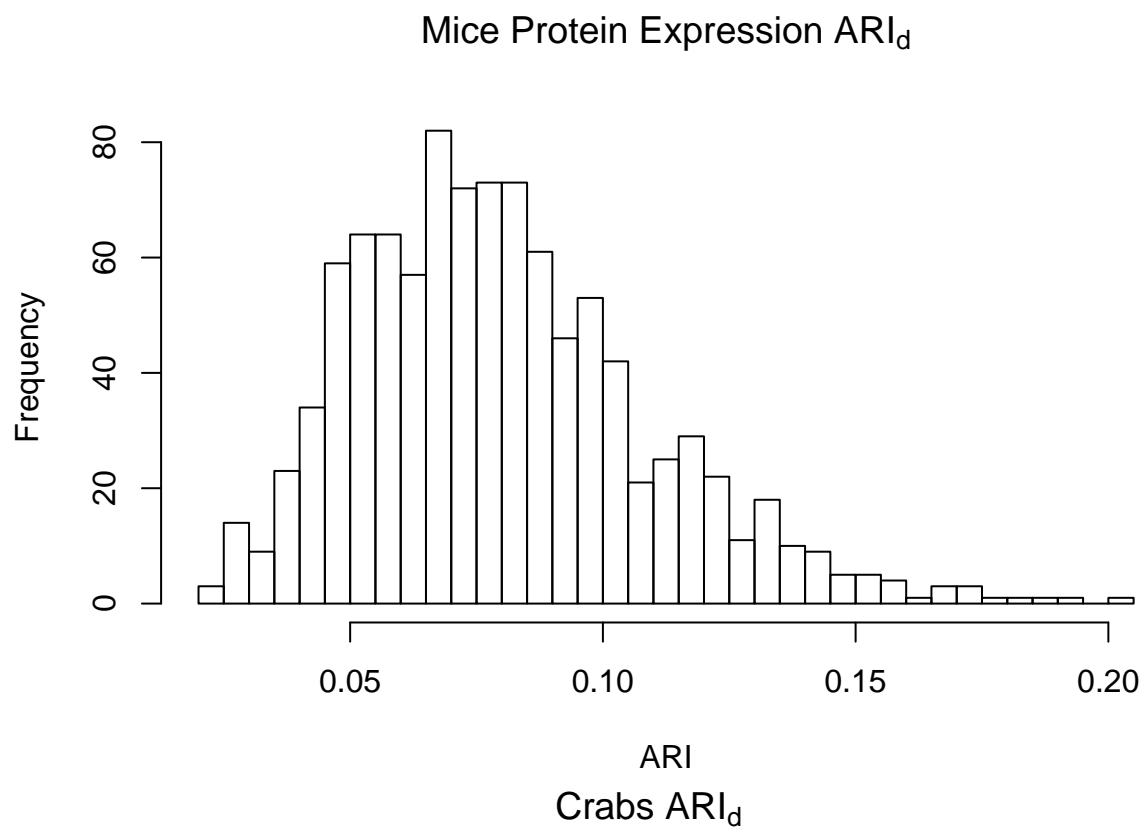


Swiss Banknotes ARI_d



Seeds ARI_d

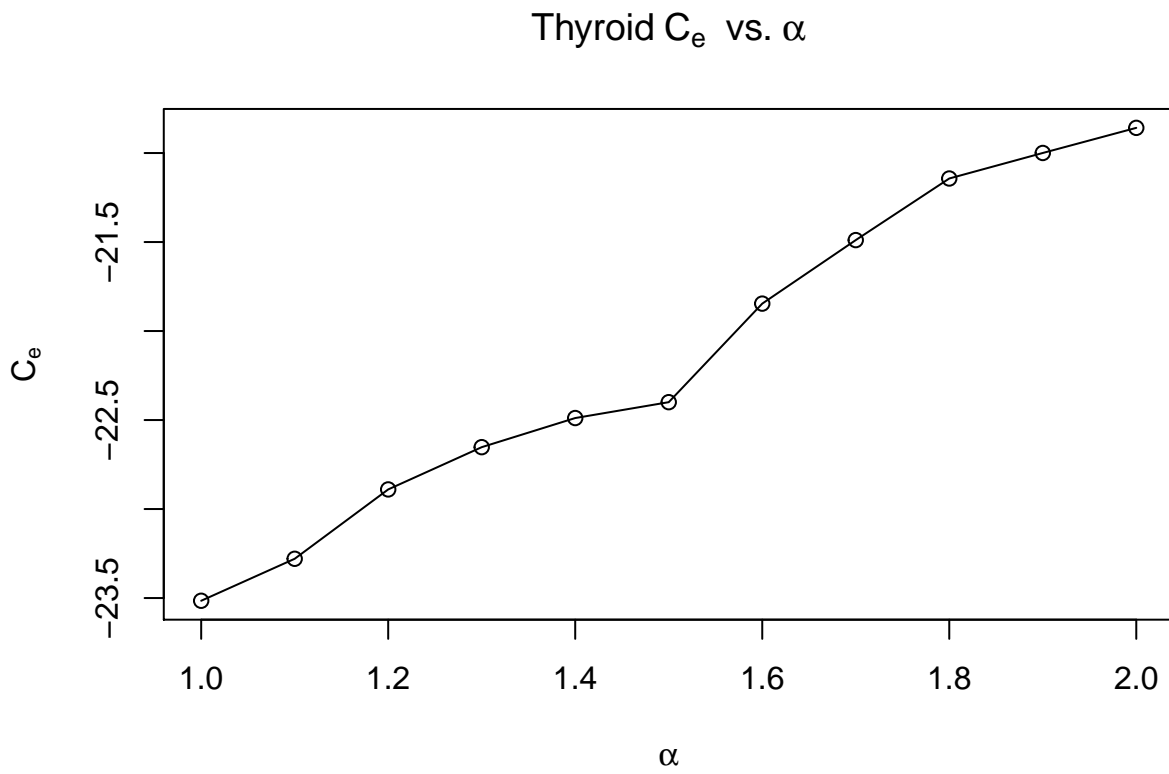




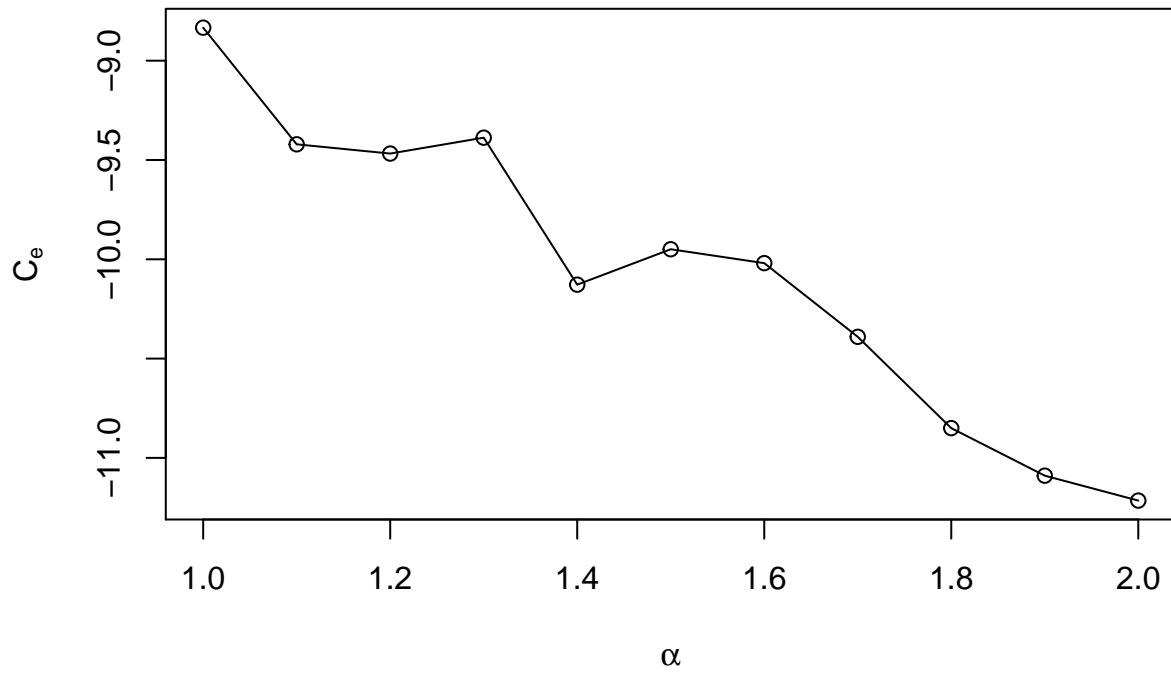
For ARI vs alpha, $p(\text{reduced dimension}) = 2$

Data

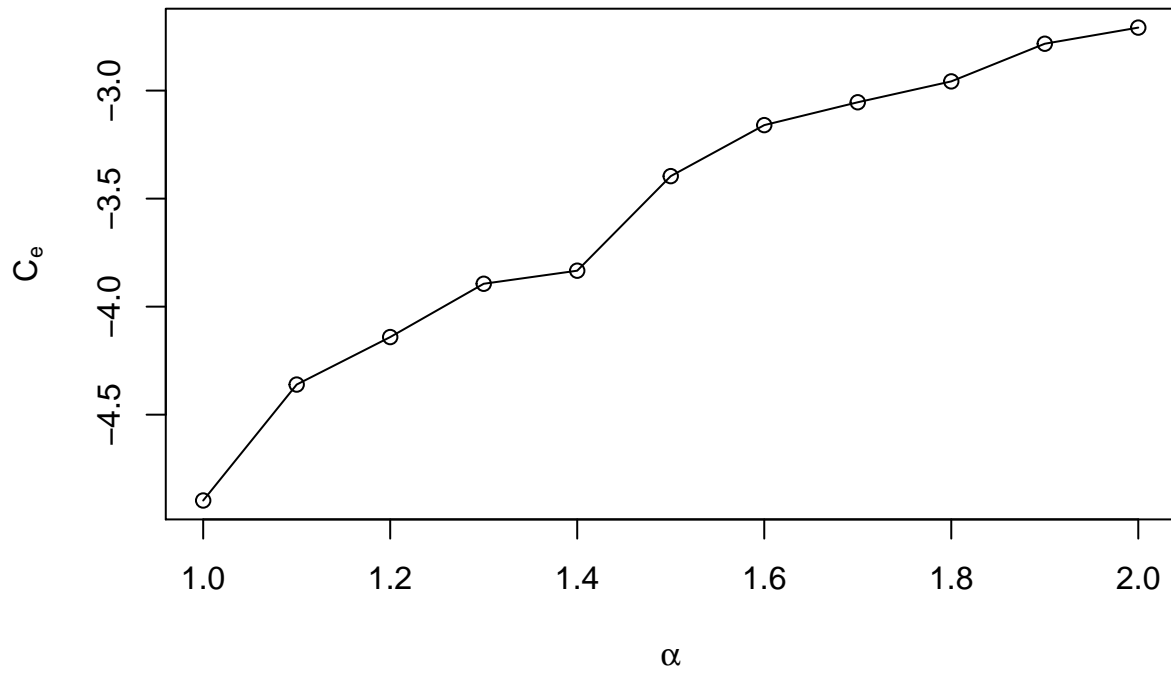
Plot



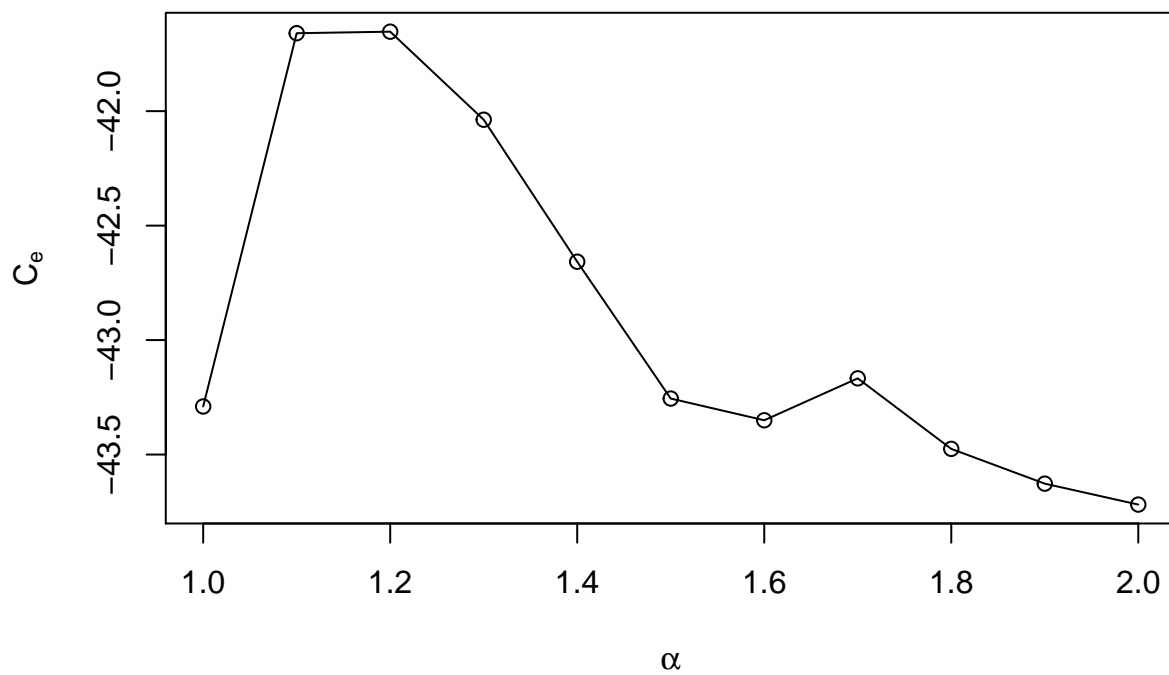
Iris C_e vs. α



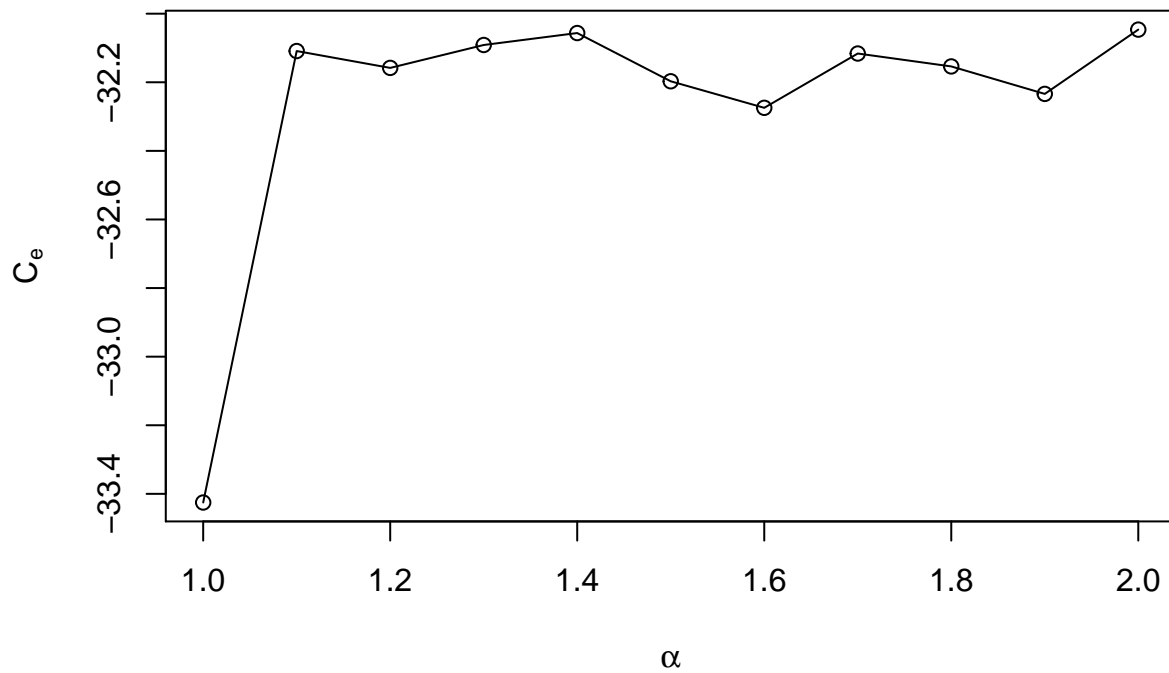
Diabetes C_e vs. α



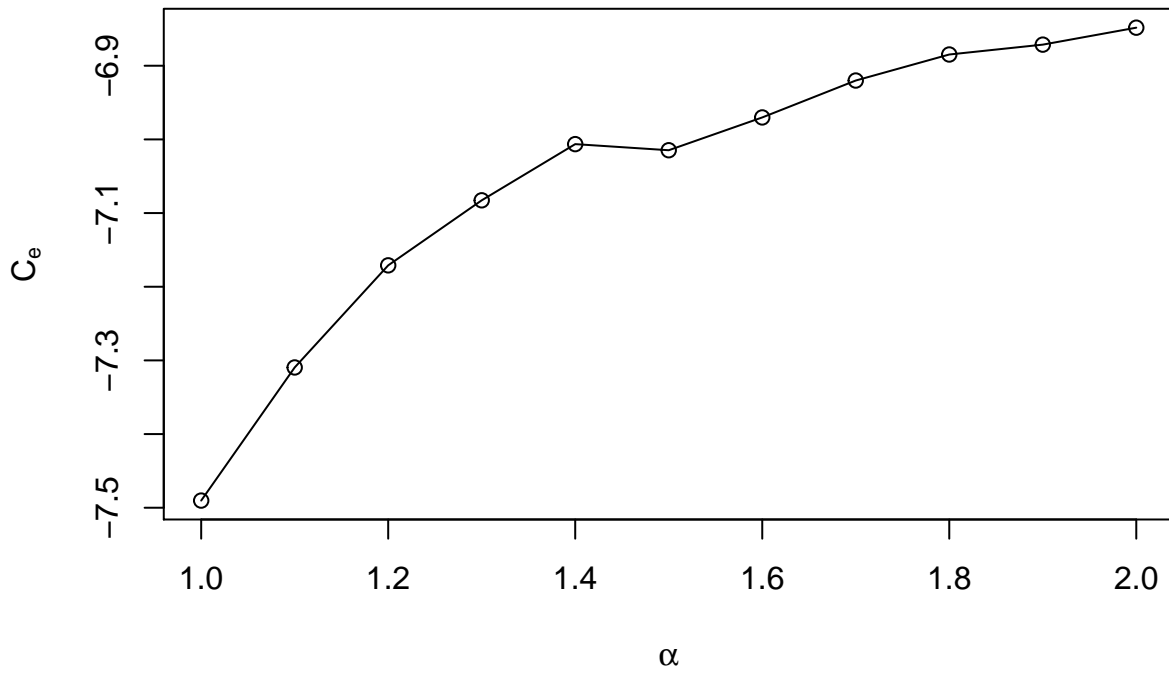
Swiss Banknotes C_e vs. α



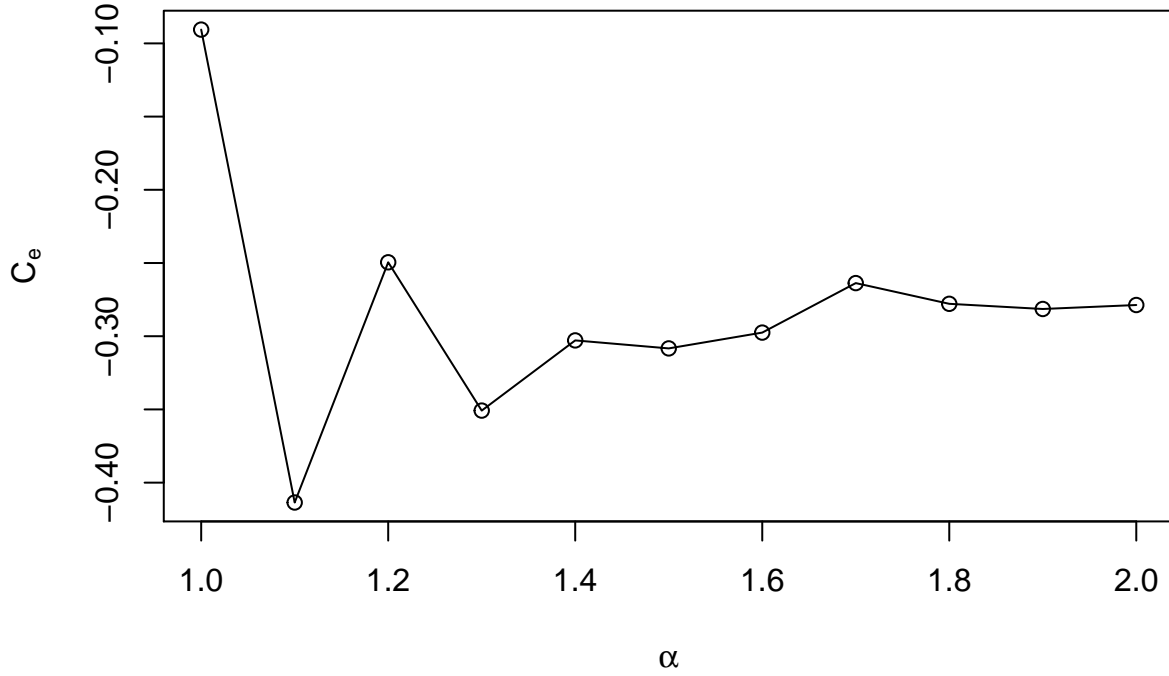
Seeds C_e vs. α



Mice Protein Expression C_e vs. α



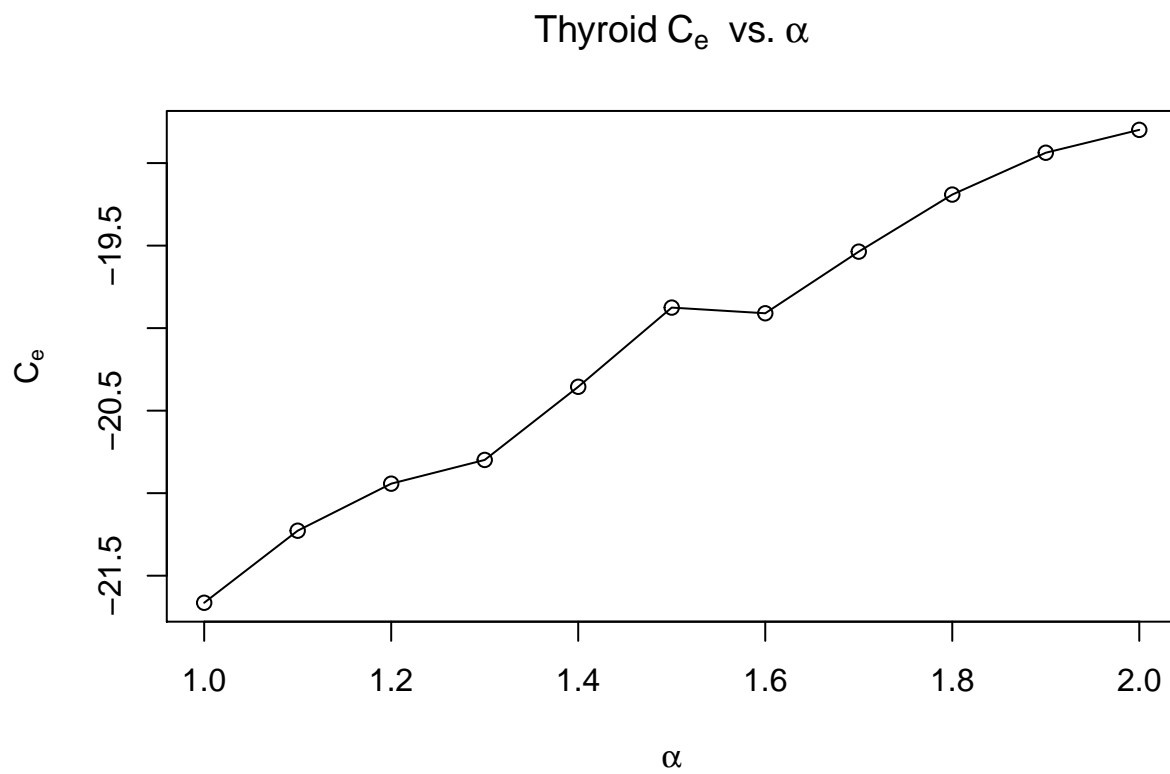
Crabs C_e vs. α

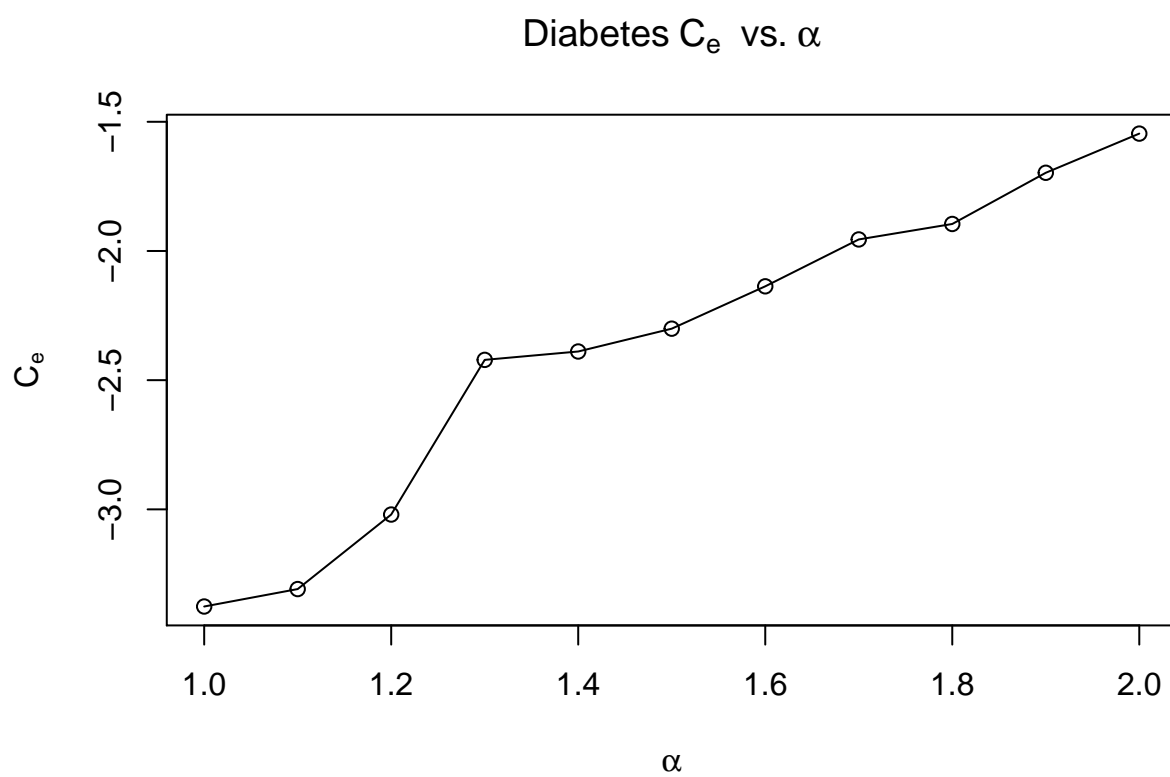
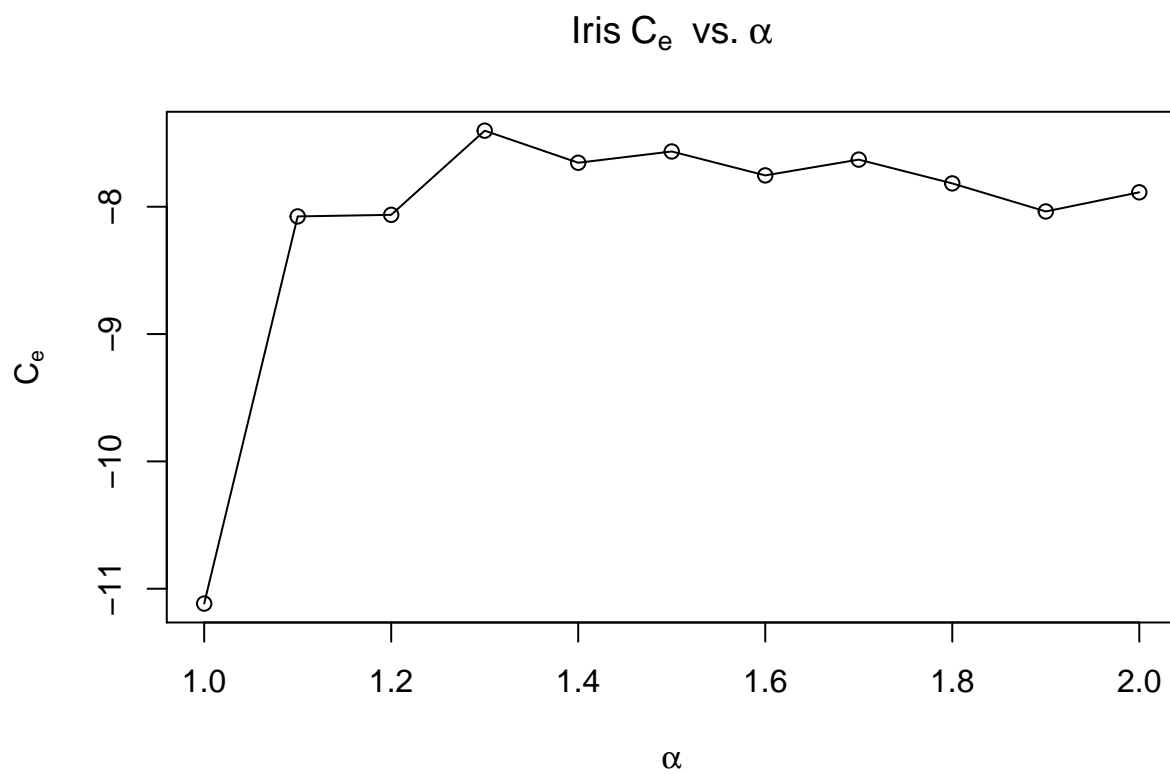


For ARI vs alpha, $p(\text{reduced dimension}) = 3$

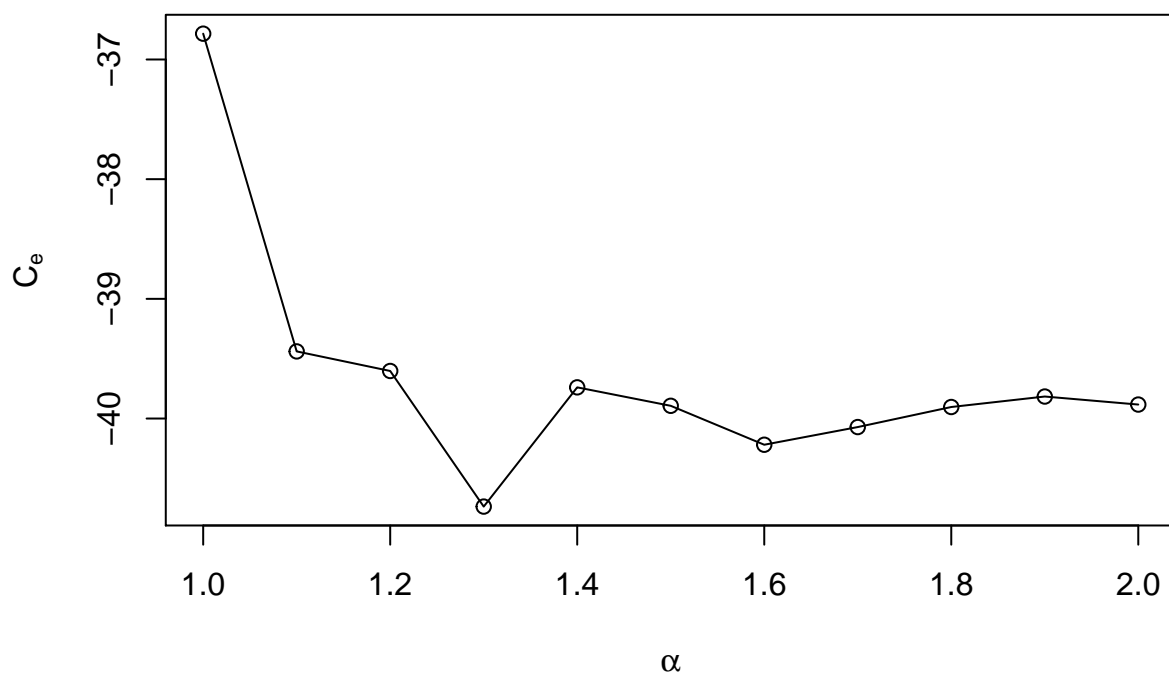
Data

Plot

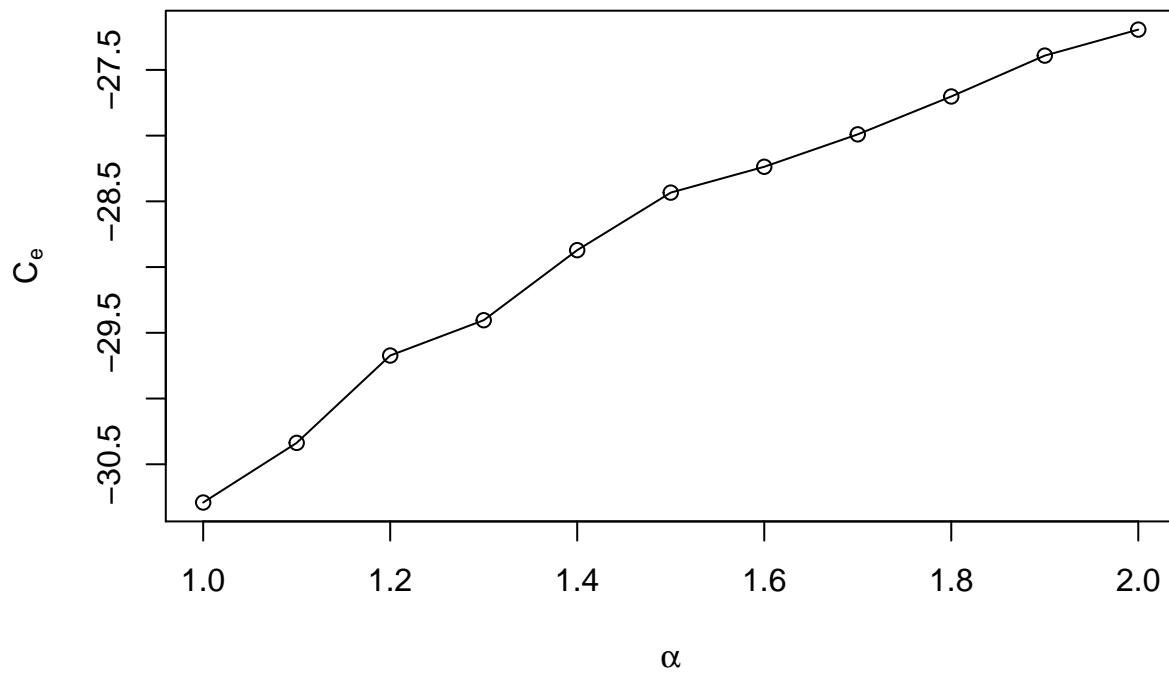




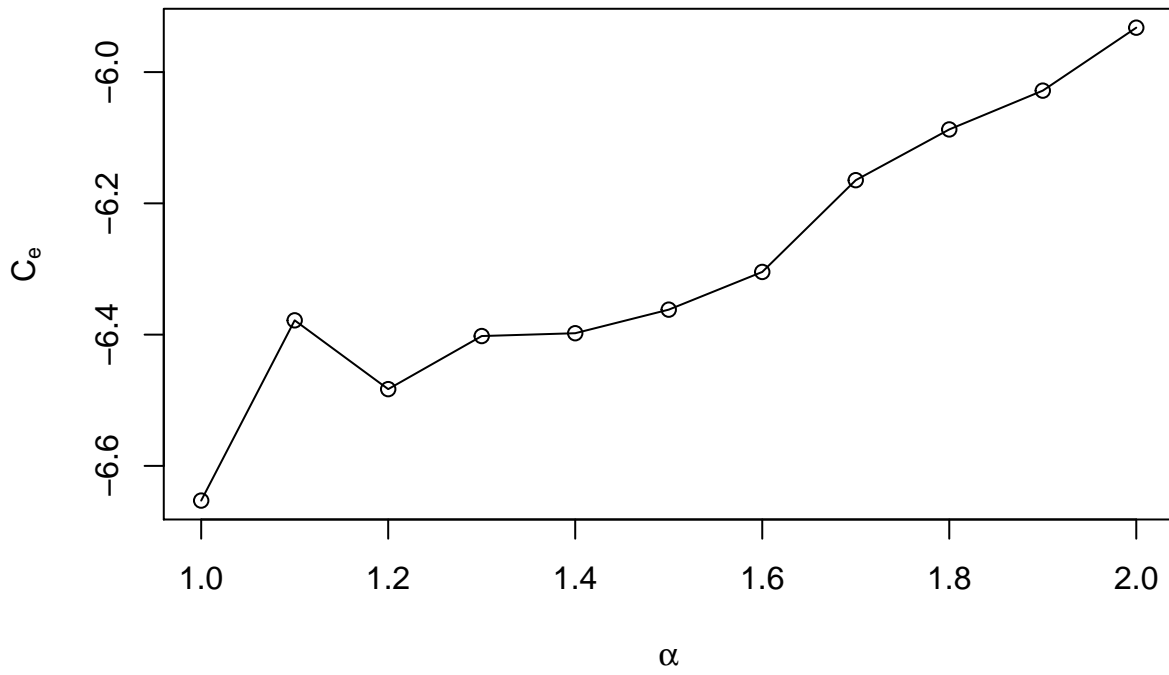
Swiss Banknotes C_e vs. α



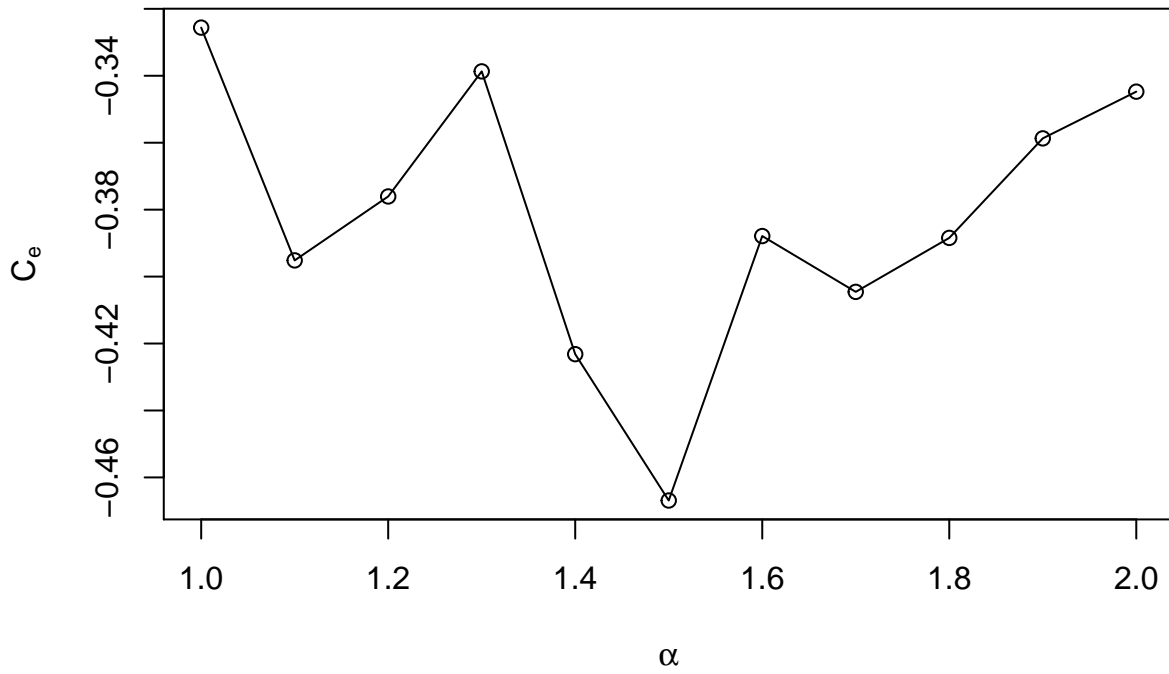
Seeds C_e vs. α



Mice Protein Expression C_e vs. α



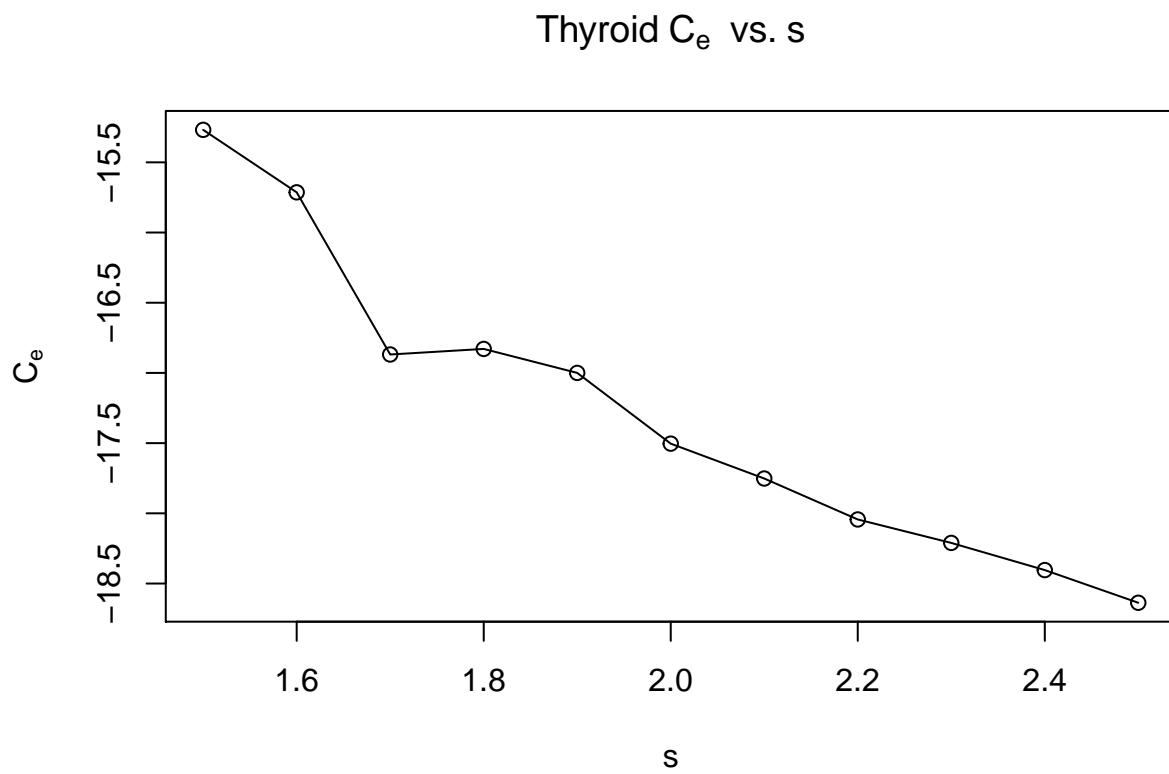
Crabs C_e vs. α



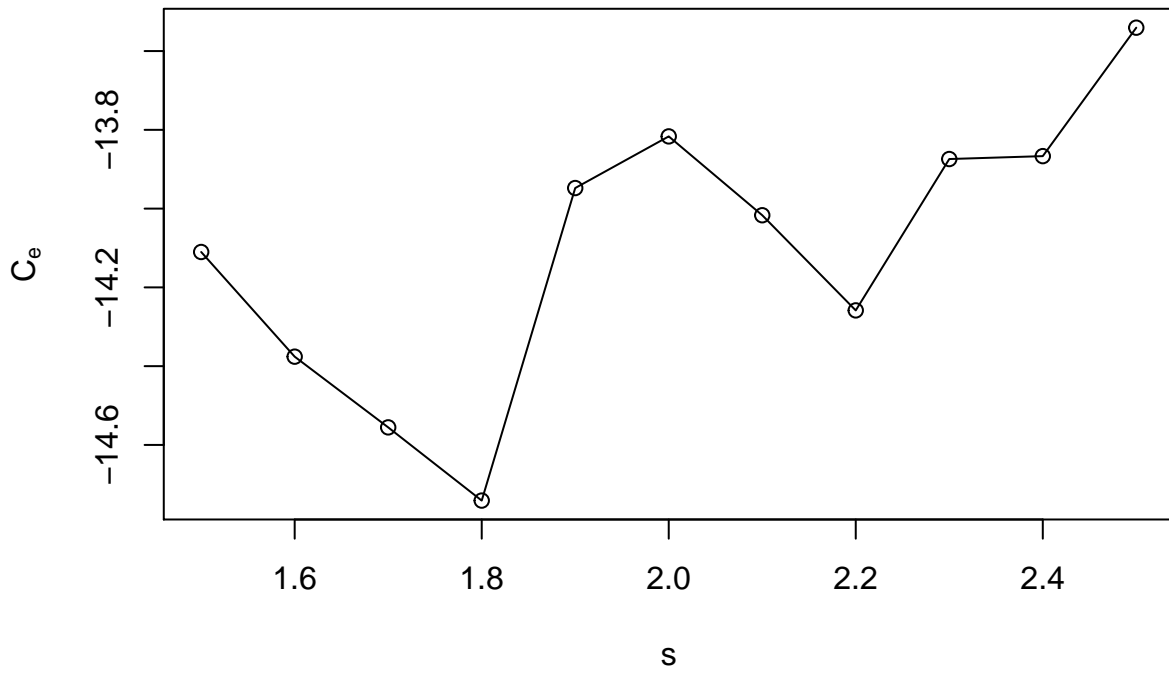
For ARI vs s , $p(\text{reduced dimension}) = 2$

Data

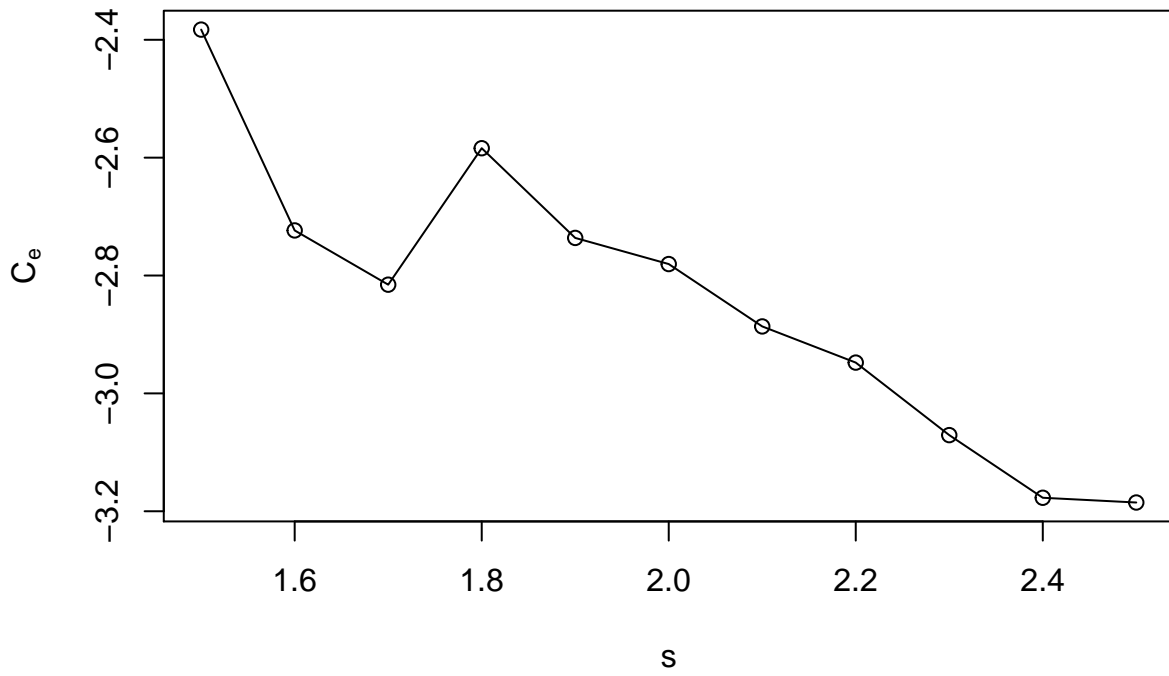
Plot



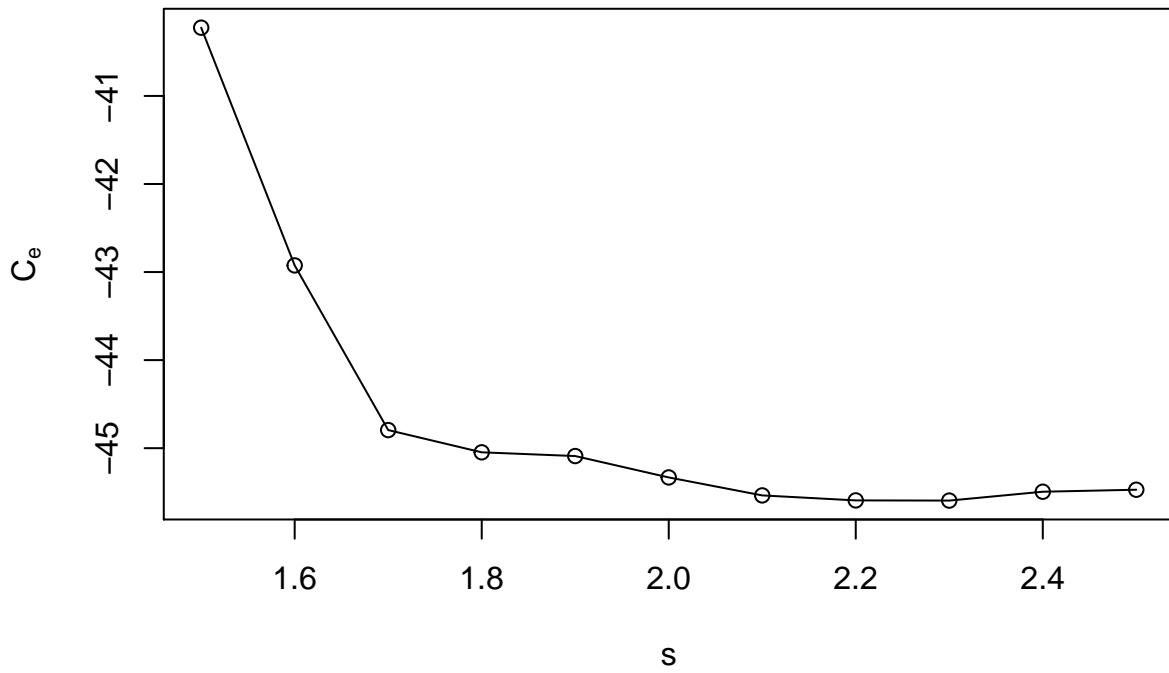
Iris C_e vs. s



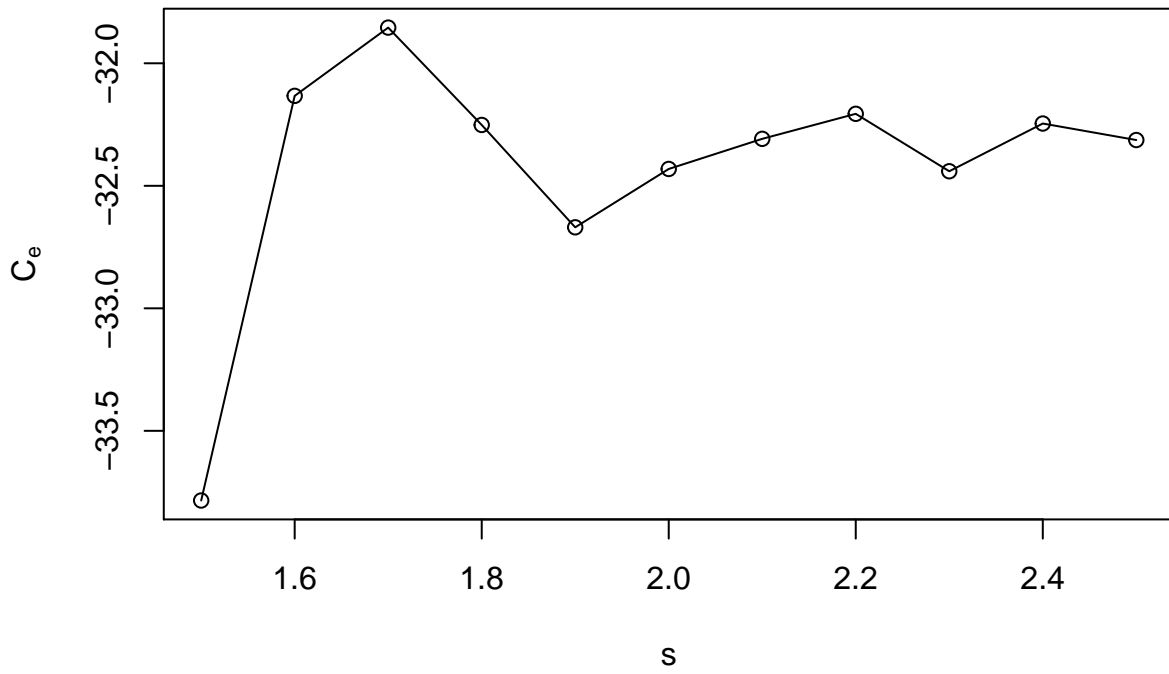
Diabetes C_e vs. s



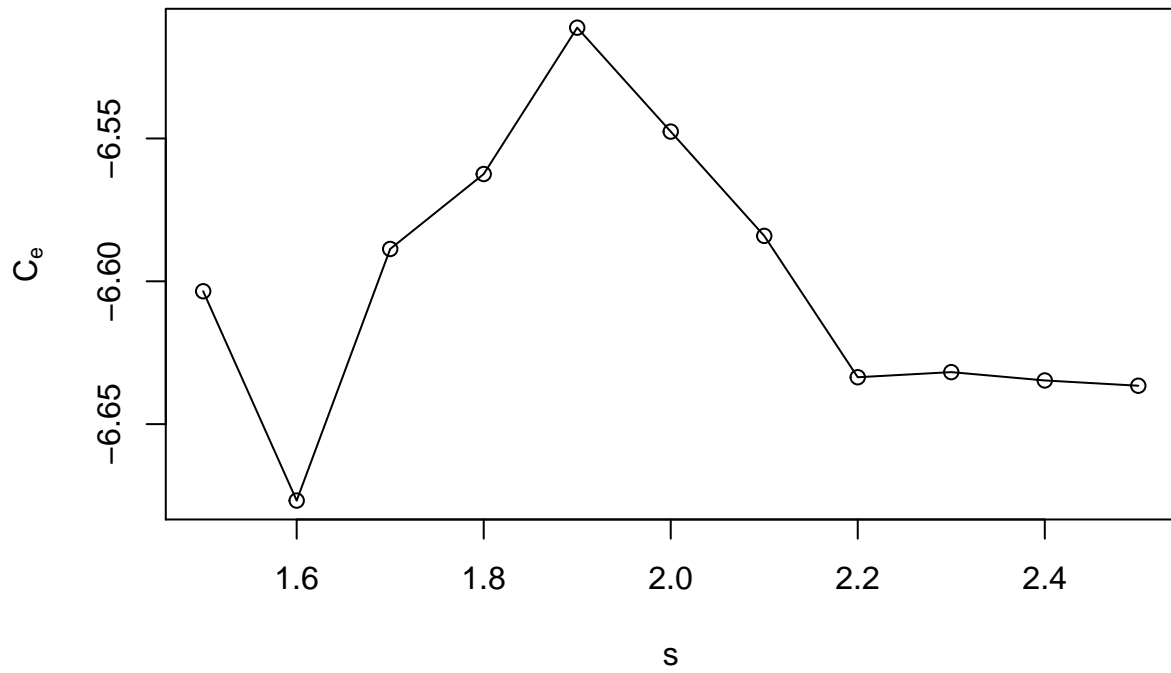
Swiss Banknotes C_e vs. s



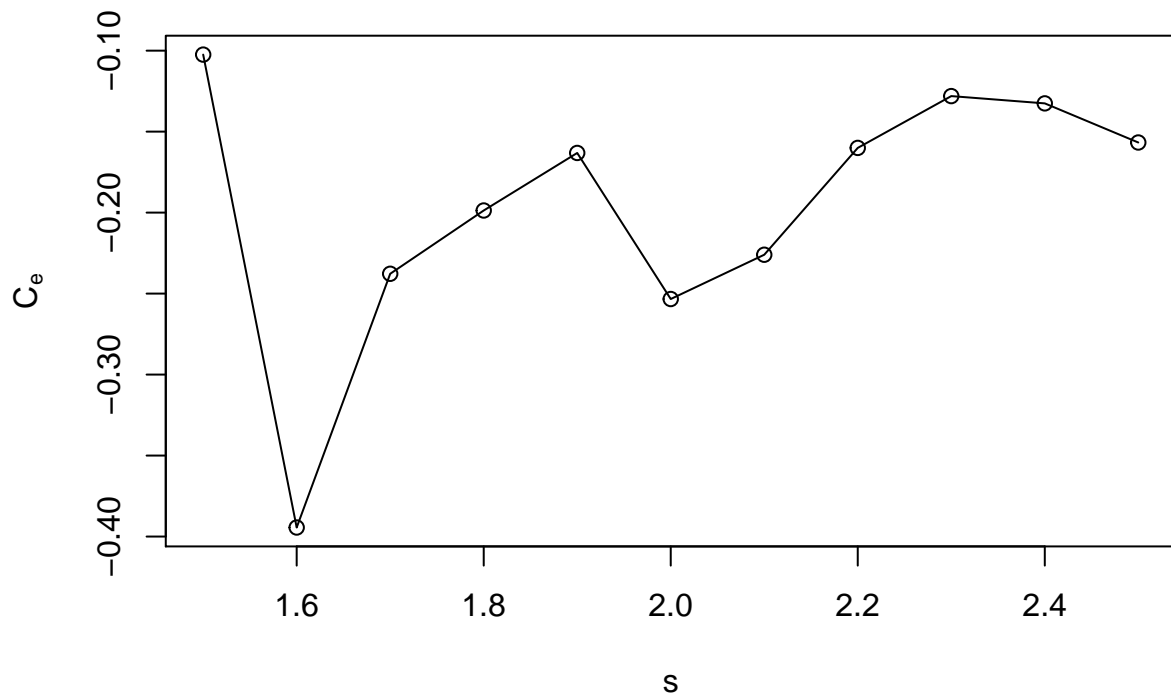
Seeds C_e vs. s



Mice Protein Expression C_e vs. s



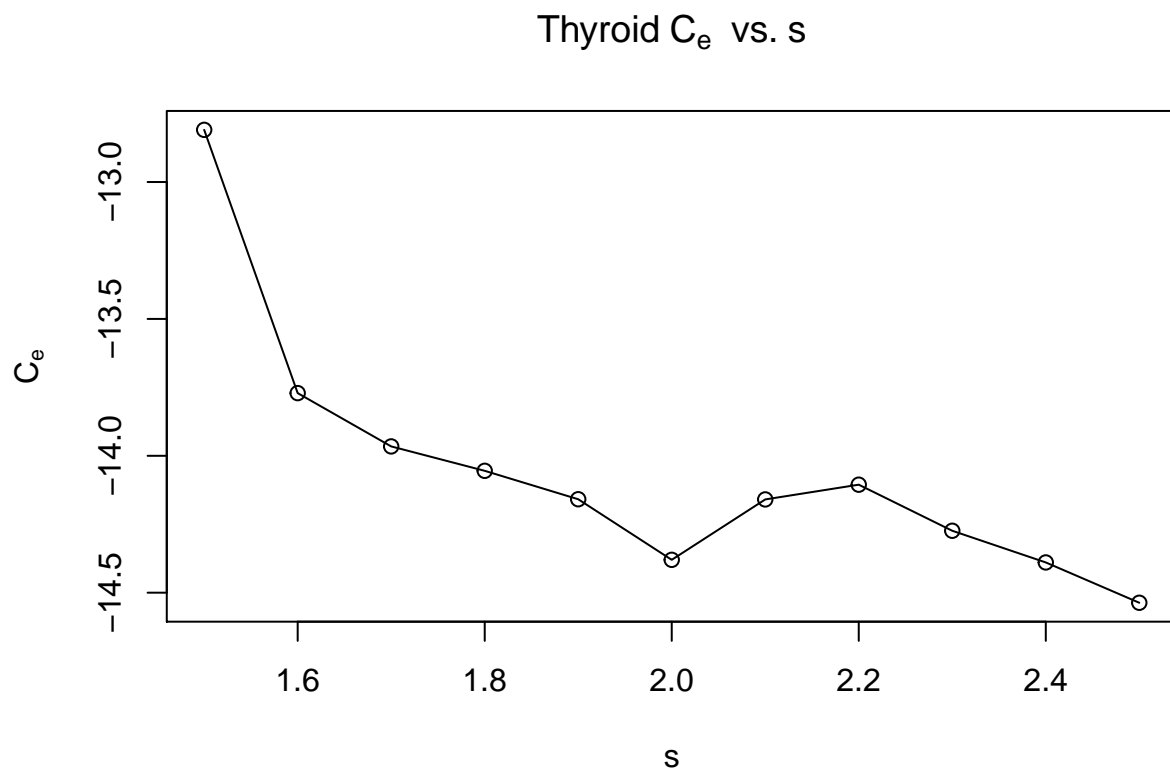
Crabs C_e vs. s



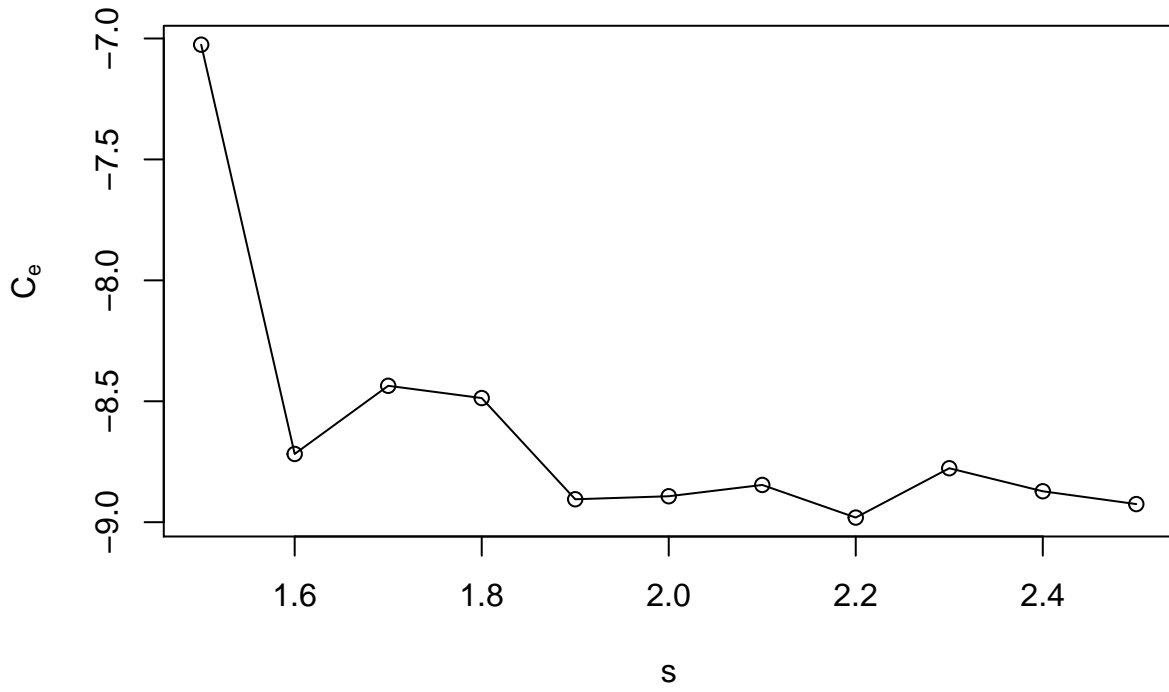
For ARI vs s , $p(\text{reduced dimension}) = 3$

Data

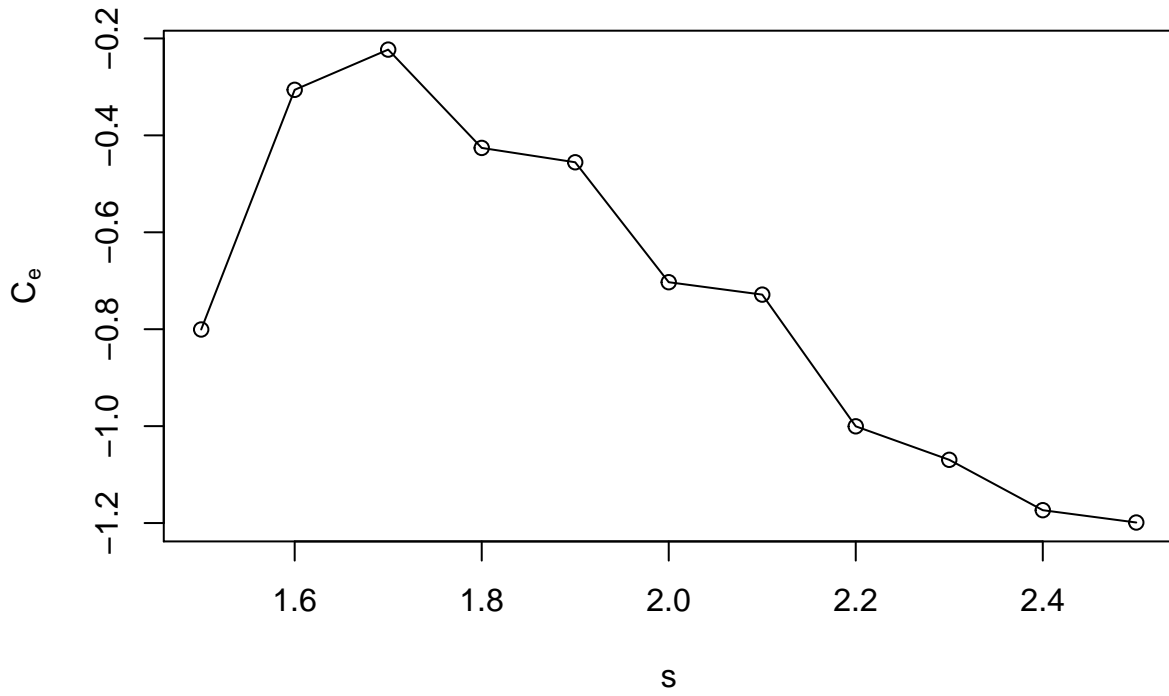
Plot



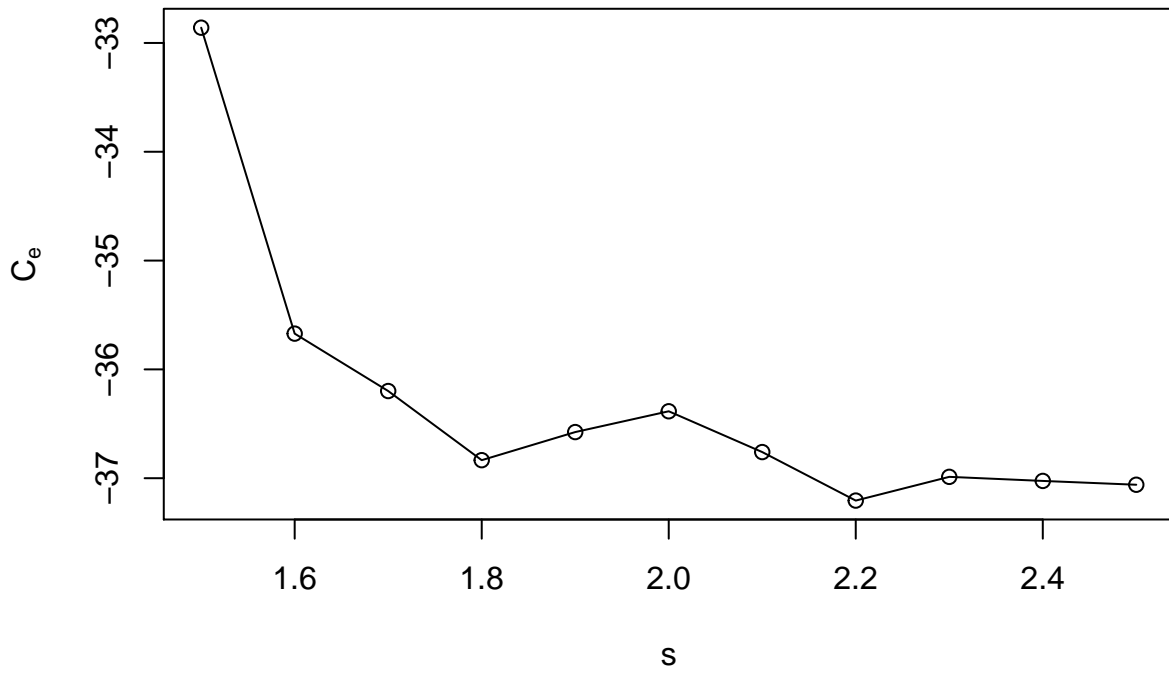
Iris C_e vs. s



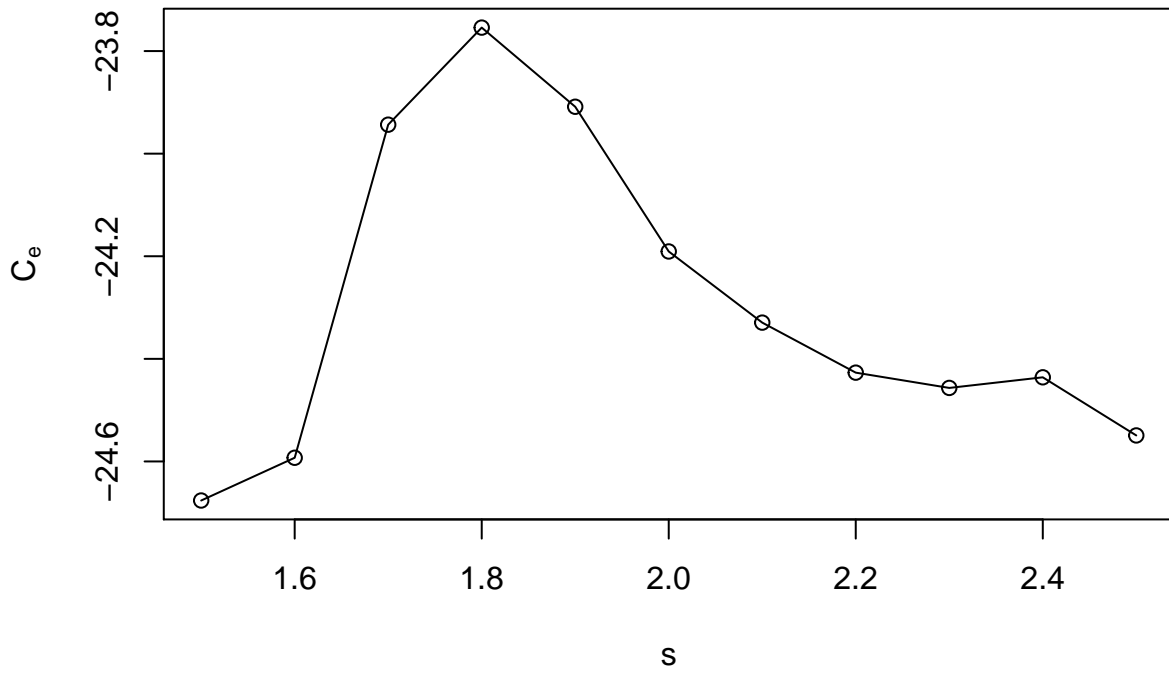
Diabetes C_e vs. s



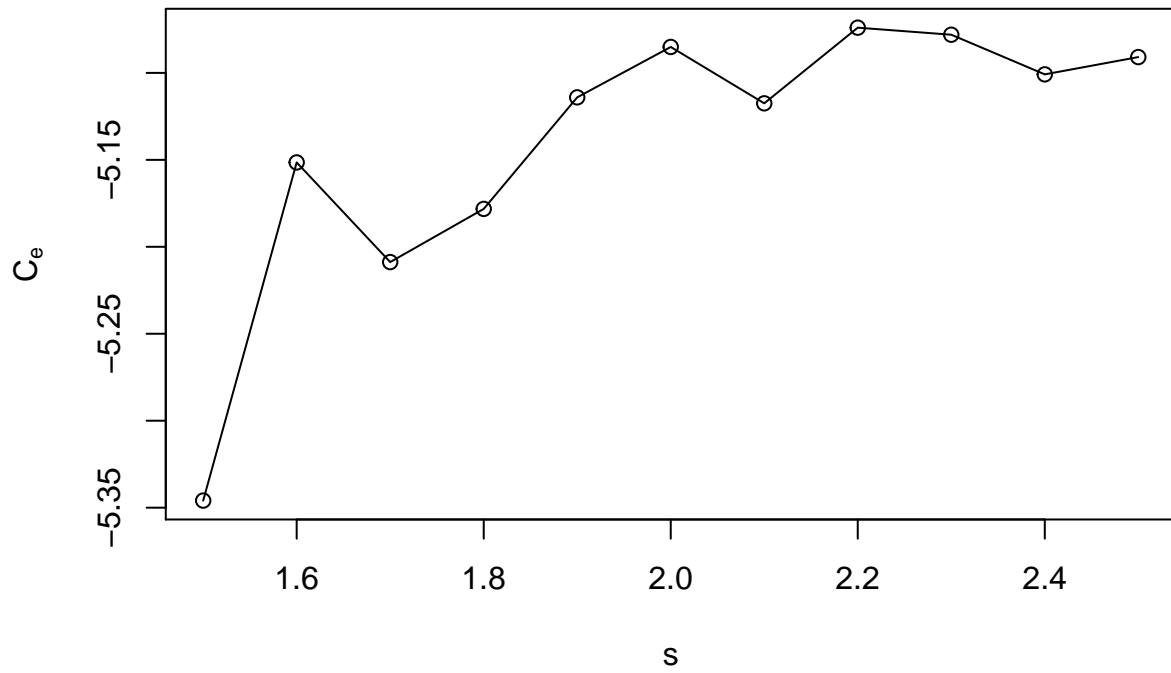
Swiss Banknotes C_e vs. s



Seeds C_e vs. s



Mice Protein Expression C_e vs. s



Crabs C_e vs. s

