

Table 1. NUTS levels and national administrative divisions (situation in 1987)

Country	NUTS 1		NUTS 2		NUTS 3	
	Denomination	n.	Denomination	n.	Denomination	n.
GDR	Länder	11	Regierungsbezirke	31	Kreise	328
France	Zeat	8	Régions	22	Departments	96
Italy	Groups of regions	11	Regioni	20	Province	95
Holland	Landsdelen	4	Provincies	12	COROP - Regio's	40
Belgium	Régions		Provinces	9	Arrondissements	43
Luxembourg	-	1	-	1	-	1
United Kingdom	Standard regions	11	Groups of counties	35	Counties	65
Ireland	-	1	-	1	Planning regions	9
Denmark	-	1	Grupper af amter	3	Amter	15
Greece	Groups of development reg.	4	Development regions	13	Nomoi	51
Spain	Agrupacion de comunidades autonomas	7	Comunidades autonomas	18	Provincias	52
Portugal	Continente + regioes autonomas	3	Commissaoes de coordenação regional+regioes autonomas	7	Grupos de concelhos	30
EEC 12	-	66	-	176	-	829

Table 2. - Main Regional Indicators - 1987.

REGIONS	GDP per head		Synthetic Index		Agricult. Employment		REGIONS	GDP per head		Synthetic Index		Agricult. Employment	
	Cee=100	ord.n	Cee=100	ord.n	%	ord.n		Cee=100	ord.n	Cee=100	ord.n	%	
BELGIUM	103	33	101	43	2,9	10	Umbria	94	48	102	40	10,1	
DENMARK	145	3	115	19	7,3	33	Marche	92	53	104	35	17,2	
- GDR	130		131		5,4		Lazio	101	36	106	33	6,1	
Schleswig-Holstein	108	25	120	16	7,4	34	Abruzzi	78	57	76	56	18,8	
Niedersachsen	111	22	109	30	8,7	39	Molise	72	60	51	76	32,2	
Nordrhein-Westfalen	126	8	126	13	2,2	6	Campania	66	67	56	71	16,3	
Hessen	146	2	152	1	4,5	17	Puglia	68	64	57	69	24,4	
Rheinland-Pfalz	114	19	126	12	7,2	32	Basilicata	69	63	37	84	28,1	
Baden-Wurttemberg	136	5	145	3	5,3	22	Calabria	57	75	38	83	24,1	
Bayern	129	6	133	7	9,7	42	Sicilia	65	69	55	73	19,2	
Saarland	121	14	104	37	1,9	5	Sardegna	71	62	49	79	18,5	
-FRANCE	121		116		7,7		LUXEMBOURG	121	12	144	4	4,4	
IledeFrance	180	1	152	2	0,6	1	HOLLAND	111	23	108	32	6,0	
Champagne-Ardenne	114	20	112	22	11,0	47	IRELAND	67	65	48	80	16,2	
Picardie	105	30	104	36	9,3	41	-UNITED KINGDOM	102		100		2,5	
Haute-Normandie	129	7	104	38	6,0	26	North	90	54	93	49	2,3	
Centre	113	21	117	17	10,2	45	Yorkshire-Humberside	93	51	85	54	2,5	
Basse-Normandie	103	34	95	48	16,7	63	EastMidlands	96	44	98	44	3,1	
Bourgogne	105	29	111	23	10,9	46	EastAnglia	100	37	102	41	6,0	
Nord-PasdeCalais	99	39	97	47	4,9	19	South-East	121	13	122	14	1,3	
Lorraine	102	35	111	24	4,8	18	South-West	96	43	105	34	4,3	
Alsace	122	9	136	6	4,1	14	WestMidlands	93	52	74	57	2,2	
Franche-Comtè	106	28	115	20	8,0	37	North-West	95	46	93	50	1,2	
PaysdeLaLoire	103	32	101	42	13,5	55	Wales	87	55	98	45	5,0	
Bretagne	97	41	98	46	16,0	60	NorthernIreland	78	58	64	60	7,9	
Poitou-Charentes	97	42	91	51	15,4	59	Scotland	96	45	89	52	3,2	
Aquitaine	116	17	109	29	12,9	53	GREECE	42	81	60	61	27,9	
Midi-Pyrenees	99	38	110	25	14,2	57	-SPAIN	54		53		17,1	
Limousin	93	49	109	28	16,8	65	Galicia	47	78	56	70	43,8	
Rhone-Alpes	120	15	130	10	5,5	24	Asturias	59	74	54	75	21,8	
Auvergne	94	47	108	31	13,8	56	Cantabria	59	73	58	66	22,9	
Languedoc-Rossillon	93	50	87	53	12,0	48	PaisVasco	66	66	58	68	5,9	
Provence	110	24	110	27	5,0	20	Navarra	65	68	60	64	13,0	
Corse	83	56	84	55	12,7	52	Rioja	71	61	66	59	16,7	

-ITALY	95		96		11,6		Aragon	60	72	60	62	19,9
Piemonte	115	18	120	15	8,6	38	ComunidaddeMadrid	62	70	60	63	1,3
Valled'Aosta	143	4	142	5	9,3	40	Castilla-Leon	54	76	55	72	28,3
Lombardia	122	10	133	8	3,6	13	Castilla-LaMancha	43	80	50	78	28,7
Veneto	97	40	110	26	9,7	43	Extremadura	37	83	39	81	32,2
TrentinoAltoAdige	105	31	102	39	12,1	50	Cataluna	61	71	58	67	6,3
Friuli-Ven.Giu.	107	26	114	21	6,3	30	ComunidadValenciana	54	77	55	74	14,2
Liguria	122	11	131	9	5,4	23	Baleares	77	59	67	58	12,0
EmiliaRomagna	120	16	128	11	12,7	51	Andalucia	42	82	39	82	18,5
Toscana	106	27	116	18	7,9	35	Murcia	46	79	51	77	22,2
							PORTUGAL	27	84	58	65	24,6

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Table 3. - List of selected variables

CODE	MEASURE UNIT	FORMULA	TYPE of VARIABLE	DESCRIPTION
a) Economic Context				
INDEX	EEC- 12 aver. = 100	ECC Calculation (*)	instrum.	Intensity index of regional problems
b) Agricultural Resources				
UAALAN	%	UAA/tot. area	instrum.	UAA / total area
ARALAN	%	ARAB/tot. area	instrum.	Arable land / total area
UAAEMP	ha/empl	UAA/empl.	instrum.	UAA per employed person
ENERGY	ECU/empl	Energy/empl.	instrum.	Energy Expend. per employed person
INCEMP	ECU/empl	Int.Cons./empl.	instrum.	Intermed.Consumpt.per employed person
INCUAA	ECU/ha	Int.Cons./UAA	instrum.	Intermed.Consumpt. per hectare of UAA
c) Weight of Agriculture in Economy				
AGREMP	%	Agr.empl./Tot.empl.	instrum.	Agricultural employment /total employm.
d) Economic Results and Productions Distribution				
FAOEMP	ECU/empl	FAO/empl	depend	FAO per employed
FAOUAA	ECU/ha	FAO/UAA	depend	FAO per hectare
VAEMPL	ECU/empl	VA/empl	depend	Value added per employed
CEREAL	%	FAO cer/tot FAO	instrum.	Share cereals on FAO
OTHCRP	%	FAO oth.crop/tot FAO	instrum.	Share other crops on FAO
FRUVEG	%	FAO fruit.veg/tot FAO	instrum.	Share fruit + vegetables on FAO
GRAPEW	%	FAO wine/tot FAO	instrum.	Share wine on FAO
MILK-	%	FAO milk/tot FAO	instrum.	Share milk on FAO
CATTLE	%	FAO cattle/tot FAO	instrum.	Share cattle on FAO
PIGS--	%	FAO pig/tot FAO	instrum.	Share pig on FAO
POULTR	%	FAO poult./tot FAO	instrum.	Share poultry on FAO

e) Structure of farms

OLDFRM	%	(no.farms> 55 yrs)/tot.n	instrum.	% hold. with entrepreneurs >55 yrs old
SMAFRM	%	(no.farms< 20 ha) /tot.n	instrum.	% holdings with UAA < 20 ha

(*) Data drawn from the "Third Periodic Report on the social and economic situation and development of the regions in the Community"

Table 4. - Matrix of correlation coefficients between variables

Significance levels: 99% = *, 99,9% = **; direct relat.: "+", inver. relat.: "-"

	INDEX	UAALAN	ARALAN	UAAEMP	ENERGY	INCEMP
INDEX	1	-	+	-	+	**
UAALAN	-	1	+	+	+	+
ARALAN	+	+	1	+	+	*
UAAEMP	-	+	**	1	+	+
ENERGY	+	**	+	+	1	+
INCEMP	+	*	+	+	**	1
INCUEA	+	**	-	-	+	**
AGREMP	-	**	+	-	-	**
FAOEMP	+	**	+	+	+	**
FAOUAA	+	**	-	-	+	**
CEREAL	+	+	**	+	+	*
OTHCRP	-	+	+	-	+	+
FRUVEG	-	*	-	-	*	**
GRAPEW	+	-	-	-	-	-
MILK	+	-	-	+	+	+
CATTLE	+	+	-	+	+	+
PIGS	+	-	+	-	+	**
POULTR	-	+	+	-	-	+
OLDFRM	-	*	-	-	-	**
SMAFRM	-	**	-	**	**	**

	CEREAL	OTHCRP	FRUVEG	GRAPEW	MILK	CATTLE
INDEX	+	-	-	+	+	+
UAALAN	+	**	-	-	-	+
ARALAN	+	**	+	-	-	*
UAAEMP	+	**	-	-	+	+
ENERGY	+	*	+	-	+	+
INCEMP	+	*	+	-	+	+
INCUEA	-	-	-	-	+	+
AGREMP	-	+	+	+	-	-
FAOEMP	+	**	+	-	+	+
FAOUAA	-	+	+	-	-	-
CEREAL	1	+	**	-	-	**
OTHCRP	+	**	1	-	-	*
FRUVEG	-	-	1	+	*	**
GRAPEW	-	-	+	1	-	*
MILK	-	**	-	*	1	+

CATTLE	-	*	-	**	-	**	-	*	+	**	1	
PIGS	-		-		-		-	*	+		+	
POULTR	+		-		-		-		-		-	
OLDFRM	-		-		+		+		-		-	
SMAFRM	-	**	-		+	**	+		-	*	-	**

INCUBA		AGREMP		FAOEMP		FAOUBA	
+	**	-	**	+	**	+	**
-		+		+	**	-	
+		-		+	**	+	
-	*	-		+	**	-	**
+	**	-	**	+	**	+	**
+	**	-	**	+	**	+	*
1		-	**	+	**	+	**
-	**	1		-	**	-	*
+	**	-	**	1		+	**
+	**	-	*	+	**	1	
-		-		+	**	-	
-		+		+		+	
-		+		-	**	+	
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-	*	+	**	-	**	-	
-		+	**	-	**	+	
PIGS							
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+	**	+	*	-	*	-	
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POULTR							
OLDFRM							
SMAFRM							

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+	**	1		+	*	+	
-		+	*	1		+	**
-		+		+	**	1	

Table 5. - Rotated Factor Matrix

Variables	Factor 1 "Extensive Agriculture"		Factor 2 "Mediterranean Agriculture"		Factor 3 "Modern Agriculture"		Factor 4 "Industrial Agriculture"		Factor 5 "Mixed Agriculture"	
	%	Sign.	%	Sign.	%	Sign.	%	Sign.	%	Sign.

Explained Variance: % values

26,4	19,7	12,7	10,3	7,0
26,4	46,0	58,7	69,0	76,1

Correlation coefficients between factors and original variables: % values

UAALAN	69	**	-36	**	-	=	=	=	=	
AGREMP	=		+		-86	**	=	=	=	
FAOEMP	46	**	-		63	**	26	*	-	
FAOUAA	-		+		35	**	36	**	=	
UAAEMP	32	*	-31	*	+		-		-	
ARALAN	89	**	=		=		+		=	
VAEMPL	35	**	29	*	-64	**	=		=	
INDEX	=		=		87	**	=		=	
OLDFRM	-		=		-36	**	-27	*	79	**
SMAFRM	-50	**	48	**	-45	**	=		37	**
ENERGY	27	*	=		67	**	37	**	-41	**
INCEMP	37	**	-29	*	54	**	43	**	-	
INCUIA	=		=		42	**	65	**	=	
CEREAL	85	**	+		+		-		=	
OTHCRP	66	**	32	*	-		=		-	
FRUVEG	-27	*	70	**	-28	*	-		=	
GRAPEW	-		50	**	+		-48	**	=	
MILK	-32	*	-78	**	=		=		-	
CATTLE	-		-86	**	+		=		=	
PIGS	=		=		+		91	**	=	
POULTR	=		=		=		52	**	73	**

Legenda:

"=": +10% < r < -10%

"+": r > 10% but not signif. at 99%

"-": r < -10% but not signif. at 99%

"*": significance level: 99%

"***": significance level: 99.9%

Table 6. - Results of the regression analysis

relat. no	Dependent Variable		FACTOR 1	FACTOR 2	FACTOR 3	FACTOR 4	FACTOR 5	Intercept	R-Square
			"Extensive Agriculture"	"Mediterranean Agriculture"	"Modern Agriculture"	"Industrial Agriculture"	"Mixed Agriculture"		
1.	FAO/UAA (1)	beta	-0,157	0,253	0,351	0,358	-0,001	0,80	0,336
		t. stat.	-1,692	2,724	3,779	3,862	-0,011		
2.	VA/UAA (1)	beta	-0,182	0,386	0,194	0,072	0,084	0,55	0,229
		t. stat.	-1,820	3,859	1,935	0,717	0,839		
3.	INT.CON/UAA (1)	beta	-0,081	0,009	0,460	0,636	-0,112	0,91	0,627
		t. stat.	-1,170	0,137	6,623	9,141	-1,608		
4.	ENERGY/UAA (1)	beta	-0,176	0,151	0,508	0,479	-0,294	0,67	0,620
		t. stat.	-2,511	2,145	7,230	6,823	-4,184		
5.	RAW-MAT.LS/UAA (1)	beta	-0,066	-0,011	0,442	0,642	-0,083	0,92	0,611
		t. stat.	-0,923	-0,157	6,224	9,042	-1,164		
6.	FAO/EMPL (1)	beta	0,445	-0,099	0,633	0,236	-0,216	1,00	0,702
		t. stat.	7,150	-1,584	10,175	3,791	-3,467		
7.	VA/EMPL (1)	beta	0,454	0,140	0,588	-0,042	-0,181	0,96	0,599
		t. stat.	6,298	1,936	8,154	-0,576	-2,507		
8.	INT.CON/EMPL (1)	beta	0,367	-0,278	0,569	0,425	-0,210	0,87	0,751
		t. stat.	6,457	-4,887	10,026	7,486	-3,699		
9.	ENERGY/EMPL (1)	beta	0,270	-0,104	0,672	0,372	-0,415	0,79	0,837
		t. stat.	5,867	-2,268	14,603	8,069	-9,021		
10.	RAW-MAT.S/EMPL (1)	beta	0,371	-0,292	0,547	0,423	-0,183	0,87	0,726
		t. stat.	6,223	-4,902	9,179	7,104	-3,066		
11.	UAA/EMPL (2)	beta	0,364	-0,334	0,142	-0,174	-0,122	-0,13	0,306
		t. stat.	3,833	-3,524	1,494	-1,833	-1,289		
12.	VA/INT.CON (3)	beta	-0,094	0,416	-0,406	-0,376	0,057	-0,40	0,486
		t. stat.	-1,147	5,097	-4,975	-4,607	0,693		
13.	VA/ENERGY (3)	beta	-0,067	0,224	-0,414	-0,177	0,170	-0,26	0,283
		t. stat.	-0,698	2,327	-4,291	-1,839	1,764		
14.	VA/RAW-MA.LS (3)	beta	-0,103	0,452	-0,391	-0,388	0,057	-0,37	0,515
		t. stat.	-1,294	5,693	-4,921	-4,889	0,718		
15.	ENRGY/RAWMAT.S (3)	beta	-0,151	0,369	0,130	-0,112	-0,340	-0,10	0,300
		t. stat.	-1,589	3,874	1,362	-1,173	-3,569		

(1) EEC averages in ECU per ha or per employed

(2) EEC average in ha/empl.

(3) EEC averages in ECU/ECU