

FINAL PROJECT (University)

Machine Learning CNN U-Net Segmentation and NDVI for Optimizing Dose of Pesticide

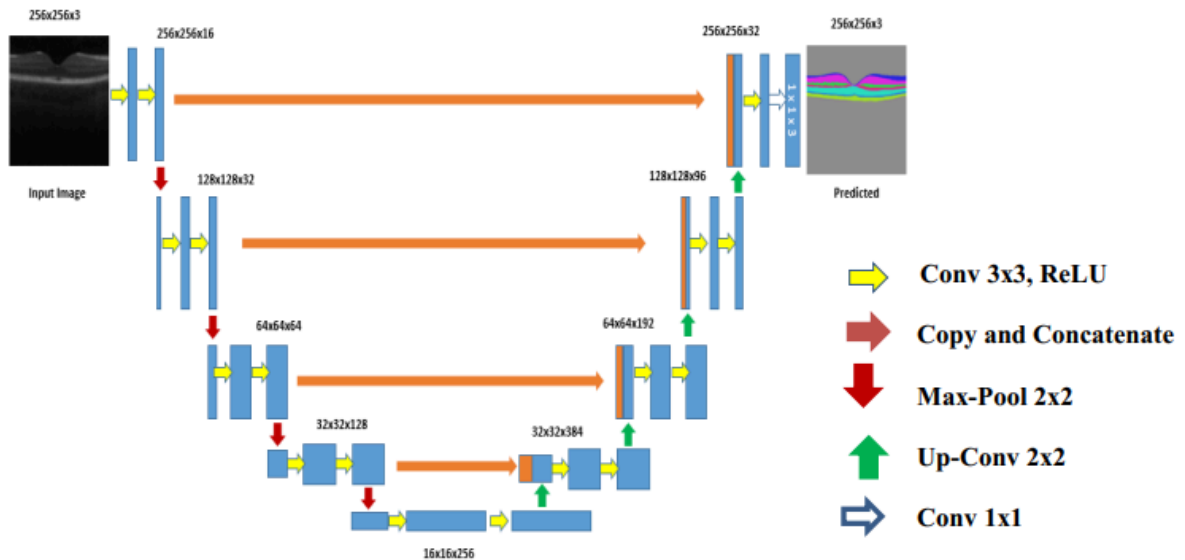
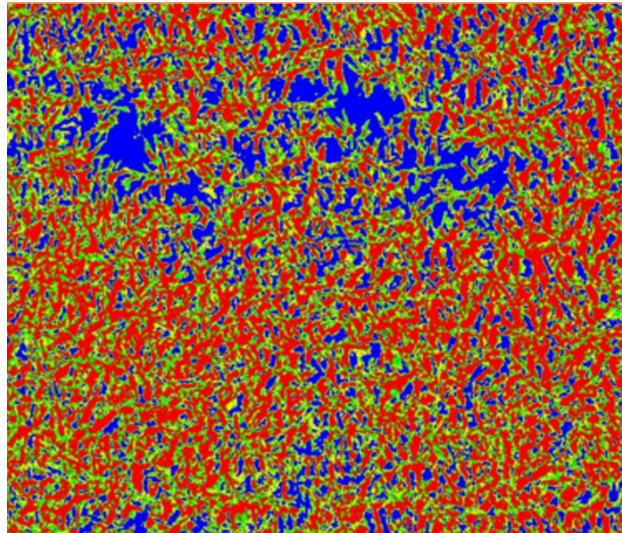


Figure 1: UNet Architecture (Each operation is specified by arrow)

source :

<https://github.com/kabbas570/Retinal-Layers-segmentation-to-analyze-retinal-anomalies>





1	2	3	4	5	6	7	8	9	10	11	12
14	15	16	17	18	19	20	21	22	23	24	25
27	28	29	30	31	32	33	34	35	36	37	38
40	41	42	43	44	45	46	47	48	49	50	51
53	54	55	56	57	58	59	60	61	62	63	64
66	67	68	69	70	71	72	73	74	75	76	77
79	80	81	82	83	84	85	86	87	88	89	90
92	93	94	95	96	97	98	99	100	101	102	103
105	106	107	108	109	110	111	112	113	114	115	116
118	119	120	121	122	123	124	125	126	127	128	129
131	132	133	134	135	136	137	138	139	140	141	142
144	145	146	147	148	149	150	151	152	153	154	155
157	158	159	160	161	162	163	164	165	166	167	168

Last thing, Determine the Calculation of Pesticide by clustering 3 section which most healthy area on red zone, medium health area on a green, and no vegetation by the blue. contact for more infomartion